Inequivalent CIS codes over GF(p) of length 8 for $p = 5, 7$

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We list up the generator matrices of all inequivalent CIS codes over GF(p) of length 8 for $p = 3, 5, 7$.

1 Inequivalent CIS codes over GF(3) of length 8

$$\mathcal{C}_{8,1} = \begin{pmatrix} 1&0&0&0&0&0&1&0\\ 0&1&0&0&2&0&1&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,2} = \begin{pmatrix} 1&0&0&0&2&2&1&1\\ 0&1&0&0&2&1&1&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,3} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,4} = \begin{pmatrix} 1&0&0&0&0&1&0&0\\ 0&1&0&0&2&1&1&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,5} = \begin{pmatrix} 1&0&0&0&0&0&2&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,6} = \begin{pmatrix} 1&0&0&0&0&2&2&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,7} = \begin{pmatrix} 1&0&0&0&2&2&2&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,8} = \begin{pmatrix} 1&0&0&0&1&2&0&1\\ 0&1&0&0&2&1&1&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,9} = \begin{pmatrix} 1&0&0&0&0&0&1&2\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,10} = \begin{pmatrix} 1&0&0&0&0&2&0&1\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,11} = \begin{pmatrix} 1&0&0&0&1&2&1&0\\ 0&1&0&0&2&0&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,12} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&2&1&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,13} = \begin{pmatrix} 1&0&0&0&1&2&2&1\\ 0&1&0&0&2&1&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&1&0 \end{pmatrix}, \quad \mathcal{C}_{8,14} = \begin{pmatrix} 1&0&0&0&2&2&0&1\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,15} = \begin{pmatrix} 1&0&0&0&2&0&0&0\\ 0&1&0&0&2&1&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&1&0 \end{pmatrix}, \quad \mathcal{C}_{8,16} = \begin{pmatrix} 1&0&0&0&1&2&0&2\\ 0&1&0&0&2&0&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,17} = \begin{pmatrix} 1&0&0&0&0&0&1&2\\ 0&1&0&0&2&0&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,18} = \begin{pmatrix} 1&0&0&0&1&1&0&1\\ 0&1&0&0&2&1&1&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,19} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,20} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,21} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,22} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,23} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,24} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,25} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,26} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,27} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,28} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,29} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,30} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,31} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,32} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,33} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,34} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,35} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,36} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,37} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,38} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,39} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,40} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,41} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,42} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,43} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,44} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 2 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,45} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,46} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,47} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,48} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,49} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,50} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,51} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,52} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,53} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,54} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,55} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,56} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,57} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,58} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,59} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,60} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,61} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,62} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,63} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,64} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,65} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,66} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,67} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,68} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,69} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,70} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 2 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,71} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,72} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,73} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,74} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,75} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,76} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,77} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,78} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,79} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,80} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,81} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 2 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,82} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,83} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,84} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,85} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,86} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,87} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,88} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,89} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,90} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,91} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,92} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,93} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,94} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,95} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,96} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,97} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 1 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,98} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,99} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 2 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 2 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 1 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \end{pmatrix},$$

2 Inequivalent CIS codes over GF(5) of length 8

$$\mathcal{C}_{8,1} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 2 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,5} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,6} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,7} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,8} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,9} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,10} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,11} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,12} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,13} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,14} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,15} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,16} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,17} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,18} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,19} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,20} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,21} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,22} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,23} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,24} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,25} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,26} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,27} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,28} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,29} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,30} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,31} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,32} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,33} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,34} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,35} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,36} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,37} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,38} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,39} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,40} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,41} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,42} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,43} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,44} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,45} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,46} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,47} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,48} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,49} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,50} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,51} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,52} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,53} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,54} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,55} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,56} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,57} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,58} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,59} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,60} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,61} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,62} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,63} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,64} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,65} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,66} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,67} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,68} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,69} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,70} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,71} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,72} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,73} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,74} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,75} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,76} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 4 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,77} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,78} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,79} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,80} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,81} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,82} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,83} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,84} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,85} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,86} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,87} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,88} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,89} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,90} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,91} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,92} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,93} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,94} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,95} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,96} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,97} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,98} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,99} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,107} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,108} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,109} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,110} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,111} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,112} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,113} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,114} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,115} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,116} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,117} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,118} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,119} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,120} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,121} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,122} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,123} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,124} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,125} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,126} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,127} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,128} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,129} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,130} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,131} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,132} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,133} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,134} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,135} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,136} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,137} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,138} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,139} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,140} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,141} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,142} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,143} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,144} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,145} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,146} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,147} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,148} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,149} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,150} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,151} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,152} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,153} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,154} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,155} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,156} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,157} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,158} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,159} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,160} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,161} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,162} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,163} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,164} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,165} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,166} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,167} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,168} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,169} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,170} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,171} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,172} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 4 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,173} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,174} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 4 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,175} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,176} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,177} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,178} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,179} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,180} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,181} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,182} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,183} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,184} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,185} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,186} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,187} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,188} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,189} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,190} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,191} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,192} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,193} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,194} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,195} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,196} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,197} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,198} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,199} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,200} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,201} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,202} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,203} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,204} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,205} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,206} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,207} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,208} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,209} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,210} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,211} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,212} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,213} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,214} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,215} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,216} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,217} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,218} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,219} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,220} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,221} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,222} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,223} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,224} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,225} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,226} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,227} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,228} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,229} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,230} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,231} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,232} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,233} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,234} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,235} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,236} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,237} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,238} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,239} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,240} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,241} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,242} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,243} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,244} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,245} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,246} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,247} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,248} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,249} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,250} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,251} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,252} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,253} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,254} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,255} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,256} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,257} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,258} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,259} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,260} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,261} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,262} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,263} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 4 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,264} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,265} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,266} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,267} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,268} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,269} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,270} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,271} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,272} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,273} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,274} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,275} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,276} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,277} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,278} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,279} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,280} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,281} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,282} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,283} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,284} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,285} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,286} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,287} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,288} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,289} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,290} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,291} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,292} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,293} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,294} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,295} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,296} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,297} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,298} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 2 & 3 & 4 \\ 0 & 0 & 1 & 0 & 0 & 2 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,307} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,308} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,309} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,310} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,311} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,312} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,313} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,314} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,315} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,316} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,317} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,318} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,319} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,320} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,321} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,322} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,323} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,324} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,325} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,326} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,327} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,328} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,329} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,330} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,331} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,332} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,333} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,334} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,335} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,336} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,337} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,338} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 2 & 0 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,411} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,412} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,413} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,414} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,415} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,416} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,417} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,418} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,419} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,420} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,421} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,422} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,423} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,424} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,425} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,426} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,427} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,428} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,429} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,430} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,431} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,432} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,433} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,434} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,435} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,436} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,437} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,438} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,439} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,440} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,441} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,442} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,443} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,444} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,445} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,446} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,447} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,448} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,449} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,450} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,451} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,452} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,453} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,454} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,455} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,456} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,457} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,458} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,459} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,460} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,461} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,462} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,463} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,464} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,465} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,466} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,467} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,468} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,469} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,470} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,471} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,472} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,473} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,474} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,475} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,476} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,477} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,478} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,479} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,480} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,481} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,482} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,483} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,484} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,485} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,486} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,487} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,488} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,489} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,490} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,523} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,524} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,525} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,526} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,527} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,528} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,529} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,530} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,531} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,532} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,533} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,534} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,535} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,536} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,537} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,538} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,539} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,540} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,541} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,542} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,543} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,544} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,545} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,546} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,547} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,548} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,549} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,550} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,551} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,552} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,553} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,554} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,571} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,572} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,573} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,574} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,575} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,576} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,577} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 1 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,578} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,579} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,580} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,581} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,582} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,583} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,584} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,585} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,586} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,587} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,588} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,589} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,590} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,591} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,592} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,593} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,594} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,595} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,596} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,597} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,598} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,599} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 1 & 1 & 4 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,600} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,601} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,602} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 3 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 0 & 1 & 0 & 3 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 2 & 0 & 1 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,629} = \begin{pmatrix} 1&0&0&0&3&4&0&3\\ 0&1&0&0&2&3&1&4\\ 0&0&1&0&3&1&0&1\\ 0&0&0&1&2&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,630} = \begin{pmatrix} 1&0&0&0&2&2&4&4\\ 0&1&0&0&2&3&1&4\\ 0&0&1&0&3&1&0&1\\ 0&0&0&1&2&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,631} = \begin{pmatrix} 1&0&0&0&3&3&0&1\\ 0&1&0&0&2&3&1&4\\ 0&0&1&0&3&1&0&1\\ 0&0&0&1&2&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,632} = \begin{pmatrix} 1&0&0&0&1&2&3&1\\ 0&1&0&0&3&4&3&3\\ 0&0&1&0&3&1&1&0\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,633} = \begin{pmatrix} 1&0&0&0&4&2&3&3\\ 0&1&0&0&2&3&1&4\\ 0&0&1&0&3&1&0&1\\ 0&0&0&1&2&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,634} = \begin{pmatrix} 1&0&0&0&0&2&0&0\\ 0&1&0&0&2&3&1&4\\ 0&0&1&0&3&1&0&1\\ 0&0&0&1&2&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,635} = \begin{pmatrix} 1&0&0&0&2&4&0&4\\ 0&1&0&0&4&4&4&1\\ 0&0&1&0&1&4&1&1\\ 0&0&0&1&2&1&1&0 \end{pmatrix}, \quad \mathcal{C}_{8,636} = \begin{pmatrix} 1&0&0&0&3&1&0&4\\ 0&1&0&0&3&4&3&0\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,637} = \begin{pmatrix} 1&0&0&0&1&3&0&0\\ 0&1&0&0&4&4&2&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&2&0&1&0 \end{pmatrix}, \quad \mathcal{C}_{8,638} = \begin{pmatrix} 1&0&0&0&3&4&2&3\\ 0&1&0&0&3&4&3&0\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,639} = \begin{pmatrix} 1&0&0&0&1&0&0&0\\ 0&1&0&0&3&4&3&0\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,640} = \begin{pmatrix} 1&0&0&0&4&3&0&2\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,641} = \begin{pmatrix} 1&0&0&0&1&4&2&1\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,642} = \begin{pmatrix} 1&0&0&0&0&4&3&4\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,643} = \begin{pmatrix} 1&0&0&0&2&1&4&2\\ 0&1&0&0&4&2&0&1\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,644} = \begin{pmatrix} 1&0&0&0&1&2&4&1\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,645} = \begin{pmatrix} 1&0&0&0&2&3&2&3\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,646} = \begin{pmatrix} 1&0&0&0&4&4&4&2\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,647} = \begin{pmatrix} 1&0&0&0&2&4&3&4\\ 0&1&0&0&4&4&4&2\\ 0&0&1&0&1&4&1&1\\ 0&0&0&1&2&1&1&0 \end{pmatrix}, \quad \mathcal{C}_{8,648} = \begin{pmatrix} 1&0&0&0&4&2&0&1\\ 0&1&0&0&4&2&1&0\\ 0&0&1&0&3&1&0&0\\ 0&0&0&1&2&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,649} = \begin{pmatrix} 1&0&0&0&0&2&0&4\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,650} = \begin{pmatrix} 1&0&0&0&1&3&3&1\\ 0&1&0&0&4&2&1&0\\ 0&0&1&0&3&1&0&0\\ 0&0&0&1&2&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,651} = \begin{pmatrix} 1&0&0&0&4&2&1&2\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,652} = \begin{pmatrix} 1&0&0&0&1&3&3&1\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

$$\mathcal{C}_{8,653} = \begin{pmatrix} 1&0&0&0&2&1&2&1\\ 0&1&0&0&4&2&1&0\\ 0&0&1&0&3&1&0&0\\ 0&0&0&1&2&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,654} = \begin{pmatrix} 1&0&0&0&3&1&0&3\\ 0&1&0&0&4&4&4&2\\ 0&0&1&0&1&4&1&1\\ 0&0&0&1&2&1&1&0 \end{pmatrix},$$

$$\mathcal{C}_{8,655} = \begin{pmatrix} 1&0&0&0&1&1&0&1\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix}, \quad \mathcal{C}_{8,656} = \begin{pmatrix} 1&0&0&0&3&2&2&0\\ 0&1&0&0&3&4&3&1\\ 0&0&1&0&3&1&1&1\\ 0&0&0&1&2&0&1&1 \end{pmatrix},$$

3 Inequivalent CIS codes over GF(7) of length 8

$$\mathcal{C}_{8,1} = \begin{pmatrix} 1&0&0&0&4&4&6&6\\ 0&1&0&0&4&0&4&4\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,2} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,3} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,5} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,6} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,7} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,8} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,9} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,10} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,11} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,12} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,13} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,14} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,15} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,16} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,17} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,18} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,19} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,20} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,21} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,22} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,23} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,24} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,25} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,26} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,27} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,28} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,29} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,30} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,31} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,32} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,33} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,34} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,35} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,36} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,37} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,38} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,39} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,40} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,41} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,42} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,43} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,44} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,45} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,46} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,47} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,48} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,49} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,50} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,51} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,52} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,53} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,54} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,55} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,56} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,57} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,58} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,59} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,60} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,61} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,62} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,63} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,64} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,65} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,66} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,67} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,68} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,69} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,70} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,71} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,72} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,73} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,74} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,75} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,76} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,77} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,78} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,79} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,80} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,81} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,82} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,83} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,84} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,85} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,86} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,87} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,88} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,89} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,90} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,91} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,92} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,93} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,94} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,95} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,96} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,97} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,98} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,99} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,107} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,108} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,109} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,110} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,111} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,112} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,113} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,114} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,115} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,116} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,117} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,118} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 5 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,119} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,120} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,121} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,122} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,123} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,124} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,125} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,126} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,127} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,128} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,129} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,130} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,131} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,132} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,133} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,134} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,135} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,136} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,137} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,138} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,139} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,140} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 6 & 4 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,141} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,142} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,143} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,144} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,145} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,146} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,147} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,148} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,149} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,150} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,151} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,152} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,153} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,154} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,155} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,156} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,157} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,158} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,159} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,160} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,161} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,162} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,163} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,164} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,165} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,166} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,167} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,168} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,169} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,170} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,171} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,172} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,173} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,174} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,175} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,176} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,177} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,178} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,179} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,180} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,181} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,182} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,183} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,184} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,185} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,186} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,187} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,188} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,189} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,190} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,191} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,192} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,193} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,194} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,195} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,196} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,197} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,198} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,199} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,200} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,201} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,202} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,203} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,204} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,205} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,206} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,207} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,208} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,209} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,210} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,211} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,212} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,213} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,214} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,215} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,216} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,217} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,218} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,219} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,220} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,221} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,222} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,223} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,224} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,225} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,226} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,227} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,228} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,229} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,230} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,231} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,232} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,233} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,234} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,235} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,236} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,237} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,238} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,239} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,240} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,241} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,242} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,243} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,244} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,245} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,246} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,247} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,248} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,249} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,250} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,251} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,252} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,253} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,254} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,255} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,256} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,257} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,258} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,259} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,260} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,261} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,262} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,263} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,264} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,265} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,266} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,267} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,268} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,269} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,270} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,271} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,272} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,273} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,274} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,275} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,276} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,277} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,278} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,279} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,280} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,281} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,282} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,283} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,284} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,285} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,286} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,287} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,288} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,289} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,290} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,291} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,292} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,293} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,294} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,295} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,296} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,297} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,298} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,307} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,308} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,309} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,310} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,311} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,312} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,313} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,314} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,315} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,316} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,317} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,318} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,319} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,320} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,321} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,322} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,323} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,324} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,325} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,326} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,327} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,328} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,329} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,330} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,331} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,332} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,333} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,334} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,335} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,336} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,337} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,338} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 5 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 5 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 2 & 1 & 2 \\ 0 & 0 & 1 & 0 & 5 & 1 & 5 & 5 \\ 0 & 0 & 0 & 1 & 2 & 2 & 5 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,411} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,412} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,413} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,414} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,415} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,416} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,417} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,418} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,419} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,420} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,421} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,422} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,423} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,424} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,425} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,426} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,427} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,428} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,429} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,430} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,431} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,432} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,433} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,434} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,435} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,436} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,437} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,438} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,439} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,440} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,441} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,442} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,443} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,444} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,445} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,446} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,447} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,448} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,449} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,450} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,451} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,452} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,453} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,454} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,455} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,456} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,457} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,458} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,459} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,460} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,461} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,462} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,463} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,464} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,465} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,466} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,467} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,468} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,469} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,470} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,471} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,472} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,473} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,474} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,475} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,476} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,477} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,478} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,479} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,480} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 5 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,481} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,482} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,483} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,484} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,485} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,486} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,487} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,488} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,489} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,490} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,523} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,524} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,525} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,526} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,527} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,528} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,529} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,530} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,531} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,532} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,533} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,534} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,535} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,536} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,537} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,538} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,539} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,540} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,541} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,542} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,543} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,544} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,545} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,546} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,547} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,548} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,549} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,550} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,551} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,552} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,553} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,554} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,571} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,572} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,573} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,574} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,575} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,576} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,577} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,578} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,579} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,580} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,581} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,582} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,583} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,584} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,585} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,586} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,587} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,588} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,589} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,590} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,591} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,592} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,593} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,594} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,595} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,596} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,597} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,598} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,599} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,600} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,601} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,602} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,629} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,630} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,631} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,632} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,633} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,634} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,635} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,636} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,637} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,638} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,639} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,640} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,641} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,642} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,643} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,644} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,645} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,646} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,647} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,648} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,649} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,650} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,651} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,652} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,653} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,654} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,655} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,656} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,657} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,658} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,659} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,660} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,661} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,662} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,663} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,664} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,665} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,666} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,667} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,668} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,669} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,670} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,671} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,672} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,673} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,674} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,675} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,676} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,677} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,678} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,679} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,680} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,681} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,682} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,683} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,684} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,685} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,686} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,687} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,688} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,689} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,690} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,691} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,692} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,693} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,694} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,695} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,696} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,697} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,698} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,699} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,700} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,701} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,702} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,703} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,704} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,705} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,706} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,707} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,708} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,709} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,710} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,711} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,712} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,713} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,714} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,715} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,716} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,717} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,718} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,719} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,720} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,721} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,722} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,723} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,724} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,725} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,726} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,727} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,728} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,729} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,730} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,731} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,732} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,733} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,734} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,735} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,736} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,737} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,738} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,739} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,740} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,741} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,742} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,743} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,744} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,745} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,746} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,747} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,748} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,749} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,750} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,751} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,752} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,753} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,754} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,755} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,756} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,757} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,758} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,759} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,760} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,761} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,762} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,763} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,764} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,765} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,766} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,767} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,768} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,769} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,770} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,771} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,772} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,773} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,774} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,775} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,776} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,777} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,778} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,779} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,780} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,781} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,782} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,783} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,784} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,785} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,786} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,787} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,788} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,789} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,790} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,791} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,792} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,793} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,794} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,795} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,796} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,797} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,798} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,799} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,800} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,801} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,802} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,803} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,804} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,805} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,806} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,807} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,808} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,809} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,810} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,811} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,812} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,813} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,814} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,815} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,816} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,817} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,818} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,819} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,820} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,821} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,822} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,823} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,824} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,825} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,826} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,827} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,828} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,829} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,830} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,831} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,832} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,833} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,834} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,835} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,836} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,837} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,838} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,839} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,840} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 3 & 6 & 4 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,841} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,842} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,843} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,844} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,845} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,846} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,847} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,848} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,849} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,850} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,851} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,852} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,853} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,854} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,855} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,856} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,857} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,858} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,859} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,860} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,861} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,862} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,863} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,864} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,865} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,866} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,867} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,868} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,869} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,870} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,871} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,872} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,873} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,874} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,875} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,876} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,877} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,878} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,879} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,880} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,881} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,882} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,883} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,884} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,885} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,886} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,887} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,888} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,889} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,890} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,891} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,892} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,893} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,894} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,895} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,896} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,897} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,898} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,899} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,900} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,901} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,902} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,903} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,904} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,905} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,906} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,907} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,908} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,909} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,910} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,911} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,912} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,913} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,914} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,915} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,916} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,917} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,918} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,919} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,920} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,921} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,922} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,923} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,924} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,925} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,926} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,927} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,928} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,929} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,930} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,931} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,932} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,933} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,934} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,935} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,936} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,937} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,938} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,939} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,940} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,941} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,942} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,943} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,944} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,945} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,946} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,947} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,948} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,949} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,950} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,951} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,952} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,953} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,954} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,955} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,956} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,957} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,958} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,959} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,960} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,961} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,962} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,963} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,964} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,965} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,966} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,967} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,968} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,969} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,970} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,971} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 3 & 1 & 5 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,972} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,973} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,974} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,975} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,976} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,977} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,978} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,979} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,980} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,981} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,982} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,983} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,984} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,985} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,986} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,987} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,988} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,989} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,990} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,991} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,992} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,993} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,994} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,995} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,996} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,997} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,998} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,999} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1000} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1001} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1002} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1003} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1004} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1005} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1006} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1007} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1008} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1009} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1010} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1011} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1012} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1013} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1014} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1015} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1016} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1017} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1018} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1019} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1020} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1021} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1022} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1023} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1024} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1025} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1026} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1027} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1028} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1029} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1030} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1031} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1032} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1033} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1034} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1035} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1036} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1037} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1038} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1039} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1040} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1041} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1042} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1043} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1044} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1045} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1046} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1047} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1048} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1049} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1050} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1051} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1052} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1053} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1054} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1055} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1056} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1057} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1058} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1059} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1060} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1061} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1062} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1063} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1064} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1065} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1066} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1067} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1068} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1069} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1070} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1071} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1072} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1073} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1074} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1075} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1076} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1077} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1078} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1079} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1080} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1081} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1082} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1083} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1084} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1085} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1086} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1087} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1088} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1089} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1090} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1091} = \begin{pmatrix} 1&0&0&0&1&3&5&3\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1092} = \begin{pmatrix} 1&0&0&0&2&3&3&2\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1093} = \begin{pmatrix} 1&0&0&0&2&5&5&1\\ 0&1&0&0&1&5&5&0\\ 0&0&1&0&6&1&2&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1094} = \begin{pmatrix} 1&0&0&0&4&3&6&0\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1095} = \begin{pmatrix} 1&0&0&0&2&4&2&0\\ 0&1&0&0&2&6&5&6\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1096} = \begin{pmatrix} 1&0&0&0&5&6&3&0\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1097} = \begin{pmatrix} 1&0&0&0&6&5&1&5\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1098} = \begin{pmatrix} 1&0&0&0&3&5&0&1\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1099} = \begin{pmatrix} 1&0&0&0&5&5&3&6\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1100} = \begin{pmatrix} 1&0&0&0&5&4&3&5\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1101} = \begin{pmatrix} 1&0&0&0&4&2&5&6\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1102} = \begin{pmatrix} 1&0&0&0&6&3&1&3\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1103} = \begin{pmatrix} 1&0&0&0&5&5&2&0\\ 0&1&0&0&2&6&5&6\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1104} = \begin{pmatrix} 1&0&0&0&2&2&2&6\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1105} = \begin{pmatrix} 1&0&0&0&5&2&3&3\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1106} = \begin{pmatrix} 1&0&0&0&6&1&1&1\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1107} = \begin{pmatrix} 1&0&0&0&3&1&0&4\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1108} = \begin{pmatrix} 1&0&0&0&5&1&3&2\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1109} = \begin{pmatrix} 1&0&0&0&3&6&6&0\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1110} = \begin{pmatrix} 1&0&0&0&6&4&4&6\\ 0&1&0&0&2&6&5&6\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1111} = \begin{pmatrix} 1&0&0&0&2&5&1&0\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1112} = \begin{pmatrix} 1&0&0&0&6&3&3&5\\ 0&1&0&0&2&6&5&6\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1113} = \begin{pmatrix} 1&0&0&0&3&5&6&6\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1114} = \begin{pmatrix} 1&0&0&0&5&3&2&2\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1115} = \begin{pmatrix} 1&0&0&0&6&3&0&1\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1116} = \begin{pmatrix} 1&0&0&0&2&3&1&5\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1117} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1118} = \begin{pmatrix} 1&0&0&0&3&3&6&4\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1119} = \begin{pmatrix} 1&0&0&0&1&2&5&6\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1120} = \begin{pmatrix} 1&0&0&0&2&3&2&1\\ 0&1&0&0&5&3&1&2\\ 0&0&1&0&5&6&3&0\\ 0&0&0&1&1&1&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1121} = \begin{pmatrix} 1&0&0&0&2&2&1&4\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1122} = \begin{pmatrix} 1&0&0&0&3&2&6&3\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1123} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1124} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1125} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1126} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1127} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1128} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1129} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1130} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1131} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1132} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1133} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1134} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1135} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1136} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1137} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1138} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1139} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1140} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1141} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1142} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1143} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1144} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1145} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1146} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1147} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1148} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1149} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1150} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1151} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1152} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1153} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1154} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1155} = \begin{pmatrix} 1&0&0&0&0&1&1&4\\ 0&1&0&0&6&0&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1156} = \begin{pmatrix} 1&0&0&0&6&0&5&0\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1157} = \begin{pmatrix} 1&0&0&0&6&6&4&5\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1158} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&1&3&3&0\\ 0&0&1&0&6&1&2&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1159} = \begin{pmatrix} 1&0&0&0&6&6&1&5\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1160} = \begin{pmatrix} 1&0&0&0&3&3&3&3\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1161} = \begin{pmatrix} 1&0&0&0&1&3&4&1\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1162} = \begin{pmatrix} 1&0&0&0&6&3&5&6\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1163} = \begin{pmatrix} 1&0&0&0&6&1&3&2\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1164} = \begin{pmatrix} 1&0&0&0&6&0&6&0\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1165} = \begin{pmatrix} 1&0&0&0&2&6&0&1\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1166} = \begin{pmatrix} 1&0&0&0&2&2&3&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1167} = \begin{pmatrix} 1&0&0&0&6&3&2&6\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1168} = \begin{pmatrix} 1&0&0&0&6&5&1&3\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1169} = \begin{pmatrix} 1&0&0&0&6&4&0&1\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1170} = \begin{pmatrix} 1&0&0&0&6&2&5&4\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1171} = \begin{pmatrix} 1&0&0&0&6&1&4&2\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1172} = \begin{pmatrix} 1&0&0&0&0&3&2&0\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1173} = \begin{pmatrix} 1&0&0&0&6&0&3&0\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1174} = \begin{pmatrix} 1&0&0&0&6&0&0&0\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1175} = \begin{pmatrix} 1&0&0&0&0&1&4&3\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1176} = \begin{pmatrix} 1&0&0&0&6&3&3&6\\ 0&1&0&0&2&6&5&0\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1177} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1178} = \begin{pmatrix} 1&0&0&0&4&4&2&1\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1179} = \begin{pmatrix} 1&0&0&0&2&4&0&2\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1180} = \begin{pmatrix} 1&0&0&0&6&1&2&2\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1181} = \begin{pmatrix} 1&0&0&0&0&6&0&0\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1182} = \begin{pmatrix} 1&0&0&0&6&5&6&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1183} = \begin{pmatrix} 1&0&0&0&3&0&0&0\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1184} = \begin{pmatrix} 1&0&0&0&0&4&0&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1185} = \begin{pmatrix} 1&0&0&0&2&4&5&0\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1186} = \begin{pmatrix} 1&0&0&0&3&3&4&0\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1187} = \begin{pmatrix} 1&0&0&0&0&0&6&0\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1188} = \begin{pmatrix} 1&0&0&0&2&5&0&3\\ 0&1&0&0&2&6&5&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1189} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1190} = \begin{pmatrix} 1&0&0&0&5&6&0&1\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1191} = \begin{pmatrix} 1&0&0&0&5&5&6&6\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1192} = \begin{pmatrix} 1&0&0&0&4&0&2&2\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1193} = \begin{pmatrix} 1&0&0&0&1&4&4&6\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1194} = \begin{pmatrix} 1&0&0&0&6&0&5&0\\ 0&1&0&0&1&3&3&1\\ 0&0&1&0&6&1&2&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1195} = \begin{pmatrix} 1&0&0&0&3&1&1&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1196} = \begin{pmatrix} 1&0&0&0&1&5&5&4\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1197} = \begin{pmatrix} 1&0&0&0&2&6&3&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1198} = \begin{pmatrix} 1&0&0&0&1&4&5&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1199} = \begin{pmatrix} 1&0&0&0&2&5&3&2\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1200} = \begin{pmatrix} 1&0&0&0&1&2&4&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1201} = \begin{pmatrix} 1&0&0&0&2&3&2&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1202} = \begin{pmatrix} 1&0&0&0&5&0&6&4\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1203} = \begin{pmatrix} 1&0&0&0&0&3&1&1\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1204} = \begin{pmatrix} 1&0&0&0&3&5&5&2\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1205} = \begin{pmatrix} 1&0&0&0&1&3&3&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1206} = \begin{pmatrix} 1&0&0&0&1&1&3&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1207} = \begin{pmatrix} 1&0&0&0&0&0&2&0\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1208} = \begin{pmatrix} 1&0&0&0&4&6&2&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1209} = \begin{pmatrix} 1&0&0&0&6&1&5&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1210} = \begin{pmatrix} 1&0&0&0&0&1&0&0\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1211} = \begin{pmatrix} 1&0&0&0&2&3&6&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1212} = \begin{pmatrix} 1&0&0&0&5&0&0&0\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1213} = \begin{pmatrix} 1&0&0&0&3&0&1&2\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1214} = \begin{pmatrix} 1&0&0&0&1&6&5&4\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1215} = \begin{pmatrix} 1&0&0&0&1&3&5&1\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1216} = \begin{pmatrix} 1&0&0&0&6&1&2&5\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1217} = \begin{pmatrix} 1&0&0&0&1&2&4&4\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1218} = \begin{pmatrix} 1&0&0&0&2&3&2&2\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1219} = \begin{pmatrix} 1&0&0&0&5&6&3&3\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1220} = \begin{pmatrix} 1&0&0&0&2&1&6&5\\ 0&1&0&0&2&6&5&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1221} = \begin{pmatrix} 1&0&0&0&5&5&3&2\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1222} = \begin{pmatrix} 1&0&0&0&5&4&3&1\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1223} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1224} = \begin{pmatrix} 1&0&0&0&4&0&5&0\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1225} = \begin{pmatrix} 1&0&0&0&1&3&3&2\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1226} = \begin{pmatrix} 1&0&0&0&4&6&4&6\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1227} = \begin{pmatrix} 1&0&0&0&2&2&5&4\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1228} = \begin{pmatrix} 1&0&0&0&0&1&5&3\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1229} = \begin{pmatrix} 1&0&0&0&2&3&1&6\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1230} = \begin{pmatrix} 1&0&0&0&5&2&0&4\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1231} = \begin{pmatrix} 1&0&0&0&0&0&4&0\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1232} = \begin{pmatrix} 1&0&0&0&1&0&0&0\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1233} = \begin{pmatrix} 1&0&0&0&2&0&0&0\\ 0&1&0&0&6&6&2&2\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1234} = \begin{pmatrix} 1&0&0&0&4&1&6&1\\ 0&1&0&0&2&4&1&4\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1235} = \begin{pmatrix} 1&0&0&0&2&1&3&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1236} = \begin{pmatrix} 1&0&0&0&5&3&5&5\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1237} = \begin{pmatrix} 1&0&0&0&5&4&4&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1238} = \begin{pmatrix} 1&0&0&0&2&1&5&0\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1239} = \begin{pmatrix} 1&0&0&0&5&3&2&4\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1240} = \begin{pmatrix} 1&0&0&0&0&0&5&0\\ 0&1&0&0&3&3&1&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1241} = \begin{pmatrix} 1&0&0&0&3&1&1&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1242} = \begin{pmatrix} 1&0&0&0&5&3&4&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1243} = \begin{pmatrix} 1&0&0&0&6&4&2&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1244} = \begin{pmatrix} 1&0&0&0&2&6&3&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1245} = \begin{pmatrix} 1&0&0&0&5&2&4&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1246} = \begin{pmatrix} 1&0&0&0&0&5&0&0\\ 0&1&0&0&2&6&5&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1247} = \begin{pmatrix} 1&0&0&0&1&4&5&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1248} = \begin{pmatrix} 1&0&0&0&3&6&1&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1249} = \begin{pmatrix} 1&0&0&0&5&1&4&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1250} = \begin{pmatrix} 1&0&0&0&6&2&2&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1251} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1252} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1253} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1254} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1255} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1256} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1257} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1258} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1259} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1260} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1261} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1262} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1263} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 2 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1264} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1265} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1266} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1267} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1268} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1269} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1270} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1271} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1272} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1273} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1274} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1275} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1276} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1277} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1278} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1279} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1280} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1281} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1282} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1283} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1284} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1285} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1286} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1287} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1288} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1289} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1290} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1291} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1292} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1293} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1294} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1295} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1296} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1297} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1298} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1307} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1308} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1309} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1310} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1311} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1312} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1313} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1314} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1315} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1316} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1317} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1318} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1319} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1320} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1321} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1322} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1323} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1324} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1325} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1326} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1327} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1328} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1329} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1330} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1331} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1332} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1333} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1334} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1335} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1336} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1337} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1338} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1411} = \begin{pmatrix} 1&0&0&0&3&2&0&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1412} = \begin{pmatrix} 1&0&0&0&4&3&5&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1413} = \begin{pmatrix} 1&0&0&0&2&4&1&3\\ 0&1&0&0&1&3&3&1\\ 0&0&1&0&6&1&2&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1414} = \begin{pmatrix} 1&0&0&0&4&5&3&6\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1415} = \begin{pmatrix} 1&0&0&0&6&3&1&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1416} = \begin{pmatrix} 1&0&0&0&0&4&6&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1417} = \begin{pmatrix} 1&0&0&0&1&5&4&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1418} = \begin{pmatrix} 1&0&0&0&2&6&2&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1419} = \begin{pmatrix} 1&0&0&0&4&0&4&1\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1420} = \begin{pmatrix} 1&0&0&0&4&1&5&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1421} = \begin{pmatrix} 1&0&0&0&0&3&0&4\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1422} = \begin{pmatrix} 1&0&0&0&6&1&0&6\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1423} = \begin{pmatrix} 1&0&0&0&0&1&5&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1424} = \begin{pmatrix} 1&0&0&0&2&3&1&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1425} = \begin{pmatrix} 1&0&0&0&3&4&6&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1426} = \begin{pmatrix} 1&0&0&0&0&1&1&1\\ 0&1&0&0&1&0&0&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1427} = \begin{pmatrix} 1&0&0&0&3&0&4&1\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1428} = \begin{pmatrix} 1&0&0&0&5&3&2&2\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1429} = \begin{pmatrix} 1&0&0&0&6&4&0&2\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1430} = \begin{pmatrix} 1&0&0&0&0&5&5&2\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1431} = \begin{pmatrix} 1&0&0&0&1&6&3&2\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1432} = \begin{pmatrix} 1&0&0&0&0&4&5&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1433} = \begin{pmatrix} 1&0&0&0&2&6&1&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1434} = \begin{pmatrix} 1&0&0&0&4&4&6&2\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1435} = \begin{pmatrix} 1&0&0&0&4&3&5&3\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1436} = \begin{pmatrix} 1&0&0&0&1&3&5&3\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1437} = \begin{pmatrix} 1&0&0&0&1&0&2&1\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1438} = \begin{pmatrix} 1&0&0&0&2&5&1&0\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1439} = \begin{pmatrix} 1&0&0&0&5&1&1&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1440} = \begin{pmatrix} 1&0&0&0&0&3&4&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1441} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1442} = \begin{pmatrix} 1&0&0&0&1&4&2&5\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1443} = \begin{pmatrix} 1&0&0&0&1&3&2&4\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1444} = \begin{pmatrix} 1&0&0&0&4&5&3&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1445} = \begin{pmatrix} 1&0&0&0&5&3&3&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1446} = \begin{pmatrix} 1&0&0&0&3&4&5&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1447} = \begin{pmatrix} 1&0&0&0&4&4&3&2\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1448} = \begin{pmatrix} 1&0&0&0&3&4&5&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1449} = \begin{pmatrix} 1&0&0&0&2&0&2&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1450} = \begin{pmatrix} 1&0&0&0&4&3&3&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1451} = \begin{pmatrix} 1&0&0&0&0&6&4&1\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1452} = \begin{pmatrix} 1&0&0&0&6&0&0&1\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1453} = \begin{pmatrix} 1&0&0&0&4&1&3&6\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1454} = \begin{pmatrix} 1&0&0&0&2&4&4&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1455} = \begin{pmatrix} 1&0&0&0&6&3&6&6\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1456} = \begin{pmatrix} 1&0&0&0&5&6&6&0\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1457} = \begin{pmatrix} 1&0&0&0&3&6&6&0\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1458} = \begin{pmatrix} 1&0&0&0&3&0&5&6\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1459} = \begin{pmatrix} 1&0&0&0&4&1&2&4\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1460} = \begin{pmatrix} 1&0&0&0&6&5&5&6\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1461} = \begin{pmatrix} 1&0&0&0&5&2&0&4\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1462} = \begin{pmatrix} 1&0&0&0&5&5&5&6\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1463} = \begin{pmatrix} 1&0&0&0&4&5&5&6\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1464} = \begin{pmatrix} 1&0&0&0&4&0&4&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1465} = \begin{pmatrix} 1&0&0&0&3&5&5&6\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1466} = \begin{pmatrix} 1&0&0&0&2&5&5&6\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1467} = \begin{pmatrix} 1&0&0&0&0&6&5&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1468} = \begin{pmatrix} 1&0&0&0&6&2&2&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1469} = \begin{pmatrix} 1&0&0&0&4&0&2&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1470} = \begin{pmatrix} 1&0&0&0&5&1&0&3\\ 0&1&0&0&6&6&2&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1471} = \begin{pmatrix} 1&0&0&0&6&4&4&5\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1472} = \begin{pmatrix} 1&0&0&0&3&4&0&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1473} = \begin{pmatrix} 1&0&0&0&5&4&4&5\\ 0&1&0&0&1&0&0&0\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1474} = \begin{pmatrix} 1&0&0&0&1&5&2&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1475} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1476} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1477} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1478} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1479} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1480} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1481} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1482} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1483} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1484} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1485} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1486} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1487} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1488} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1489} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1490} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1523} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1524} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1525} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1526} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1527} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1528} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1529} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1530} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1531} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1532} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1533} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1534} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1535} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1536} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1537} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1538} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1539} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1540} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1541} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1542} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1543} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1544} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1545} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1546} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1547} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1548} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1549} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1550} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1551} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1552} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1553} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1554} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1571} = \begin{pmatrix} 1&0&0&0&1&1&3&1\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1572} = \begin{pmatrix} 1&0&0&0&2&2&1&0\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1573} = \begin{pmatrix} 1&0&0&0&3&3&6&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1574} = \begin{pmatrix} 1&0&0&0&4&4&4&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1575} = \begin{pmatrix} 1&0&0&0&3&0&5&1\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1576} = \begin{pmatrix} 1&0&0&0&4&1&4&2\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1577} = \begin{pmatrix} 1&0&0&0&5&1&2&0\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1578} = \begin{pmatrix} 1&0&0&0&6&6&6&6\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1579} = \begin{pmatrix} 1&0&0&0&0&3&5&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1580} = \begin{pmatrix} 1&0&0&0&5&0&0&6\\ 0&1&0&0&2&4&1&5\\ 0&0&1&0&6&1&0&1\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1581} = \begin{pmatrix} 1&0&0&0&1&4&3&4\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1582} = \begin{pmatrix} 1&0&0&0&0&5&3&6\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1583} = \begin{pmatrix} 1&0&0&0&0&3&4&2\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1584} = \begin{pmatrix} 1&0&0&0&6&1&1&1\\ 0&1&0&0&1&3&3&4\\ 0&0&1&0&6&1&2&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1585} = \begin{pmatrix} 1&0&0&0&1&2&2&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1586} = \begin{pmatrix} 1&0&0&0&4&3&0&1\\ 0&1&0&0&1&3&3&4\\ 0&0&1&0&6&1&2&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1587} = \begin{pmatrix} 1&0&0&0&4&4&3&2\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1588} = \begin{pmatrix} 1&0&0&0&3&2&1&6\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1589} = \begin{pmatrix} 1&0&0&0&2&2&0&4\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1590} = \begin{pmatrix} 1&0&0&0&6&0&3&1\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1591} = \begin{pmatrix} 1&0&0&0&3&4&2&3\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1592} = \begin{pmatrix} 1&0&0&0&6&4&6&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1593} = \begin{pmatrix} 1&0&0&0&4&1&3&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1594} = \begin{pmatrix} 1&0&0&0&5&2&0&1\\ 0&1&0&0&1&3&3&4\\ 0&0&1&0&6&1&2&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1595} = \begin{pmatrix} 1&0&0&0&3&2&2&6\\ 0&1&0&0&3&3&1&6\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1596} = \begin{pmatrix} 1&0&0&0&3&1&1&4\\ 0&1&0&0&3&3&1&6\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1597} = \begin{pmatrix} 1&0&0&0&1&6&3&4\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1598} = \begin{pmatrix} 1&0&0&0&1&5&1&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1599} = \begin{pmatrix} 1&0&0&0&4&0&2&2\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1600} = \begin{pmatrix} 1&0&0&0&1&4&1&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1601} = \begin{pmatrix} 1&0&0&0&3&3&4&0\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1602} = \begin{pmatrix} 1&0&0&0&4&4&2&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1629} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1630} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1631} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1632} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1633} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1634} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1635} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1636} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1637} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1638} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1639} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1640} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1641} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1642} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1643} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1644} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1645} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1646} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1647} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1648} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1649} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1650} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1651} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1652} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1653} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1654} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1655} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1656} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1657} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1658} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1659} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1660} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1661} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1662} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1663} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1664} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1665} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1666} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1667} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1668} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1669} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1670} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1671} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1672} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1673} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1674} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1675} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1676} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1677} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1678} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1679} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1680} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1681} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1682} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1683} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1684} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1685} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1686} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1687} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1688} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1689} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1690} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1691} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1692} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1693} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1694} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1695} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1696} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1697} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1698} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1699} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1700} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1701} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1702} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1703} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1704} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1705} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1706} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1707} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1708} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1709} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1710} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1711} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1712} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1713} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1714} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1715} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1716} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1717} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1718} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1719} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1720} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1721} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1722} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1723} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1724} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1725} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1726} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1727} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1728} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1729} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1730} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1731} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1732} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1733} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1734} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1735} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1736} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1737} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1738} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1739} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1740} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1741} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 5 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1742} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1743} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1744} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1745} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1746} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1747} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1748} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1749} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1750} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1751} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1752} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1753} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1754} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1755} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1756} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1757} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1758} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1759} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1760} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1761} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1762} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1763} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1764} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1765} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1766} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1767} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1768} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1769} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1770} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1771} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1772} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1773} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1774} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1775} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1776} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1777} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1778} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1779} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1780} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1781} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1782} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1783} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1784} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1785} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1786} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1787} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1788} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1789} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1790} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1791} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1792} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1793} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1794} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1795} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1796} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1797} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1798} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1799} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1800} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1801} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1802} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1803} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1804} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1805} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1806} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1807} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1808} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1809} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1810} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1811} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1812} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1813} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1814} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1815} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1816} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1817} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1818} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1819} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1820} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1821} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1822} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1823} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1824} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,1825} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1826} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1827} = \begin{pmatrix} 1&0&0&0&6&6&1&3\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1828} = \begin{pmatrix} 1&0&0&0&2&2&1&3\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1829} = \begin{pmatrix} 1&0&0&0&1&0&5&1\\ 0&1&0&0&1&0&0&2\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1830} = \begin{pmatrix} 1&0&0&0&2&5&5&0\\ 0&1&0&0&1&3&3&4\\ 0&0&1&0&6&1&2&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1831} = \begin{pmatrix} 1&0&0&0&3&1&1&2\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1832} = \begin{pmatrix} 1&0&0&0&6&0&5&4\\ 0&1&0&0&1&0&0&2\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1833} = \begin{pmatrix} 1&0&0&0&1&1&6&2\\ 0&1&0&0&1&0&0&2\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1834} = \begin{pmatrix} 1&0&0&0&4&1&1&5\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1835} = \begin{pmatrix} 1&0&0&0&6&1&4&3\\ 0&1&0&0&1&3&3&4\\ 0&0&1&0&6&1&2&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1836} = \begin{pmatrix} 1&0&0&0&5&0&0&2\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1837} = \begin{pmatrix} 1&0&0&0&4&0&0&6\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1838} = \begin{pmatrix} 1&0&0&0&2&5&4&6\\ 0&1&0&0&6&6&2&1\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1839} = \begin{pmatrix} 1&0&0&0&1&0&0&4\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1840} = \begin{pmatrix} 1&0&0&0&0&0&3&0\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1841} = \begin{pmatrix} 1&0&0&0&0&1&5&2\\ 0&1&0&0&6&6&2&4\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1842} = \begin{pmatrix} 1&0&0&0&4&4&4&4\\ 0&1&0&0&6&6&2&4\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1843} = \begin{pmatrix} 1&0&0&0&3&3&3&6\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1844} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1845} = \begin{pmatrix} 1&0&0&0&6&3&0&1\\ 0&1&0&0&6&6&2&4\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1846} = \begin{pmatrix} 1&0&0&0&4&0&1&1\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1847} = \begin{pmatrix} 1&0&0&0&3&0&1&5\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1848} = \begin{pmatrix} 1&0&0&0&2&0&1&2\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1849} = \begin{pmatrix} 1&0&0&0&0&6&5&6\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1850} = \begin{pmatrix} 1&0&0&0&5&1&6&6\\ 0&1&0&0&6&6&2&4\\ 0&0&1&0&0&1&0&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1851} = \begin{pmatrix} 1&0&0&0&5&4&2&3\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1852} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1853} = \begin{pmatrix} 1&0&0&0&5&1&4&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1854} = \begin{pmatrix} 1&0&0&0&2&6&4&1\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1855} = \begin{pmatrix} 1&0&0&0&4&4&1&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1856} = \begin{pmatrix} 1&0&0&0&3&6&3&6\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1857} = \begin{pmatrix} 1&0&0&0&6&0&5&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1858} = \begin{pmatrix} 1&0&0&0&4&6&4&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1859} = \begin{pmatrix} 1&0&0&0&1&0&5&0\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1860} = \begin{pmatrix} 1&0&0&0&0&6&0&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1861} = \begin{pmatrix} 1&0&0&0&5&0&6&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1862} = \begin{pmatrix} 1&0&0&0&4&0&2&3\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1863} = \begin{pmatrix} 1&0&0&0&3&6&5&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1864} = \begin{pmatrix} 1&0&0&0&0&0&4&2\\ 0&1&0&0&0&0&2&3\\ 0&0&1&0&4&2&0&0\\ 0&0&0&1&2&3&0&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1865} = \begin{pmatrix} 1&0&0&0&1&0&5&1\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1866} = \begin{pmatrix} 1&0&0&0&1&5&5&6\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1867} = \begin{pmatrix} 1&0&0&0&3&3&2&6\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1868} = \begin{pmatrix} 1&0&0&0&4&0&1&6\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1869} = \begin{pmatrix} 1&0&0&0&6&0&5&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1870} = \begin{pmatrix} 1&0&0&0&4&6&1&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1871} = \begin{pmatrix} 1&0&0&0&6&6&5&4\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1872} = \begin{pmatrix} 1&0&0&0&0&5&0&6\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1873} = \begin{pmatrix} 1&0&0&0&2&5&4&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1874} = \begin{pmatrix} 1&0&0&0&3&5&1&0\\ 0&1&0&0&1&0&0&3\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1875} = \begin{pmatrix} 1&0&0&0&4&5&1&4\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1876} = \begin{pmatrix} 1&0&0&0&4&0&0&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1877} = \begin{pmatrix} 1&0&0&0&6&5&5&3\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1878} = \begin{pmatrix} 1&0&0&0&2&4&4&4\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1879} = \begin{pmatrix} 1&0&0&0&4&4&1&3\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1880} = \begin{pmatrix} 1&0&0&0&6&4&5&2\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1881} = \begin{pmatrix} 1&0&0&0&1&4&2&1\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1882} = \begin{pmatrix} 1&0&0&0&5&4&3&6\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1883} = \begin{pmatrix} 1&0&0&0&4&3&1&2\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1884} = \begin{pmatrix} 1&0&0&0&6&3&5&1\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1885} = \begin{pmatrix} 1&0&0&0&1&3&2&0\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1886} = \begin{pmatrix} 1&0&0&0&2&6&3&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1887} = \begin{pmatrix} 1&0&0&0&3&3&6&6\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1888} = \begin{pmatrix} 1&0&0&0&5&3&3&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1889} = \begin{pmatrix} 1&0&0&0&5&4&5&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1890} = \begin{pmatrix} 1&0&0&0&0&0&5&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1891} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1892} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1893} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1894} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1895} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1896} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1897} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1898} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1899} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1900} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1901} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1902} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1903} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1904} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1905} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1906} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1907} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1908} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1909} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1910} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1911} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1912} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1913} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1914} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1915} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1916} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1917} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 3 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 2 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1918} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1919} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1920} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1921} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1922} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1923} = \begin{pmatrix} 1&0&0&0&5&0&6&1\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1924} = \begin{pmatrix} 1&0&0&0&1&4&2&1\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1925} = \begin{pmatrix} 1&0&0&0&3&4&6&0\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1926} = \begin{pmatrix} 1&0&0&0&4&3&1&2\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1927} = \begin{pmatrix} 1&0&0&0&1&3&2&0\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1928} = \begin{pmatrix} 1&0&0&0&2&0&3&5\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1929} = \begin{pmatrix} 1&0&0&0&5&3&3&5\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1930} = \begin{pmatrix} 1&0&0&0&2&2&4&5\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1931} = \begin{pmatrix} 1&0&0&0&0&5&0&0\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1932} = \begin{pmatrix} 1&0&0&0&1&0&5&0\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1933} = \begin{pmatrix} 1&0&0&0&3&0&3&1\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1934} = \begin{pmatrix} 1&0&0&0&0&0&1&0\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1935} = \begin{pmatrix} 1&0&0&0&0&6&5&1\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1936} = \begin{pmatrix} 1&0&0&0&6&0&0&0\\ 0&1&0&0&3&1&6&2\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,1937} = \begin{pmatrix} 1&0&0&0&6&0&4&2\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1938} = \begin{pmatrix} 1&0&0&0&5&0&4&5\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1939} = \begin{pmatrix} 1&0&0&0&4&0&4&1\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1940} = \begin{pmatrix} 1&0&0&0&6&3&2&6\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1941} = \begin{pmatrix} 1&0&0&0&3&3&6&0\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1942} = \begin{pmatrix} 1&0&0&0&5&5&2&3\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1943} = \begin{pmatrix} 1&0&0&0&1&4&4&5\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,1944} = \begin{pmatrix} 1&0&0&0&1&1&6&3\\ 0&1&0&0&5&0&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1945} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1946} = \begin{pmatrix} 1&0&0&0&6&3&4&6\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1947} = \begin{pmatrix} 1&0&0&0&1&0&5&6\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1948} = \begin{pmatrix} 1&0&0&0&2&3&2&2\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1949} = \begin{pmatrix} 1&0&0&0&4&4&1&6\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1950} = \begin{pmatrix} 1&0&0&0&5&0&6&4\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1951} = \begin{pmatrix} 1&0&0&0&2&0&6&6\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1952} = \begin{pmatrix} 1&0&0&0&1&3&3&1\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1953} = \begin{pmatrix} 1&0&0&0&1&0&0&6\\ 0&1&0&0&1&0&0&5\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,1954} = \begin{pmatrix} 1&0&0&0&6&0&0&0\\ 0&1&0&0&5&6&1&3\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,1955} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1956} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1957} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1958} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1959} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1960} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1961} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1962} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1963} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1964} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1965} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1966} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1967} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1968} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1969} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1970} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1971} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1972} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1973} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1974} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1975} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1976} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1977} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1978} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1979} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1980} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1981} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1982} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1983} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1984} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1985} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1986} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1987} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1988} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1989} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1990} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1991} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,1992} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1993} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1994} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1995} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1996} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1997} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,1998} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,1999} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2000} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2001} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2002} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2003} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2004} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2005} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2006} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2007} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2008} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2009} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2010} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2011} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2012} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2013} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2014} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2015} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2016} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2017} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2018} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2019} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2020} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2021} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2022} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2023} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2024} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2025} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2026} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2027} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2028} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2029} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2030} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2031} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2032} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2033} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2034} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2035} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2036} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2037} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2038} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2039} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2040} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2041} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2042} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2043} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2044} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2045} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2046} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2047} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2048} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2049} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2050} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2051} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2052} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2053} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2054} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2055} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2056} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2057} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2058} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2059} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2060} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2061} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2062} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2063} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2064} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2065} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2066} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2067} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2068} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2069} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2070} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2071} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2072} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2073} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2074} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2075} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2076} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2077} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2078} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2079} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2080} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2081} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2082} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2083} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2084} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2085} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2086} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2087} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2088} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2089} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2090} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2091} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2092} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2093} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2094} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2095} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2096} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2097} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2098} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2099} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2107} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2108} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2109} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2110} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2111} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2112} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2113} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2114} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2115} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&1&5\\ 0&0&1&0&6&1&3&4\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2116} = \begin{pmatrix} 1&0&0&0&5&0&3&2\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2117} = \begin{pmatrix} 1&0&0&0&1&0&5&1\\ 0&1&0&0&3&3&1&3\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,2118} = \begin{pmatrix} 1&0&0&0&1&0&5&6\\ 0&1&0&0&1&0&0&4\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2119} = \begin{pmatrix} 1&0&0&0&6&4&1&0\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&4\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2120} = \begin{pmatrix} 1&0&0&0&1&5&0&1\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&4\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2121} = \begin{pmatrix} 1&0&0&0&0&0&2&6\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&4\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2122} = \begin{pmatrix} 1&0&0&0&5&5&5&1\\ 0&1&0&0&1&0&0&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2123} = \begin{pmatrix} 1&0&0&0&0&0&3&5\\ 0&1&0&0&5&6&1&6\\ 0&0&1&0&6&1&3&4\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2124} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&5\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2125} = \begin{pmatrix} 1&0&0&0&4&0&6&4\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&5\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2126} = \begin{pmatrix} 1&0&0&0&0&0&3&0\\ 0&1&0&0&5&6&1&1\\ 0&0&1&0&6&1&3&5\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2127} = \begin{pmatrix} 1&0&0&0&0&4&2&3\\ 0&1&0&0&5&6&1&5\\ 0&0&1&0&6&1&3&5\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2128} = \begin{pmatrix} 1&0&0&0&0&3&0&4\\ 0&1&0&0&3&3&1&3\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2129} = \begin{pmatrix} 1&0&0&0&6&3&3&1\\ 0&1&0&0&5&6&1&5\\ 0&0&1&0&6&1&3&5\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2130} = \begin{pmatrix} 1&0&0&0&6&3&0&3\\ 0&1&0&0&3&3&1&3\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2131} = \begin{pmatrix} 1&0&0&0&4&0&2&1\\ 0&1&0&0&1&0&0&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2132} = \begin{pmatrix} 1&0&0&0&5&0&5&5\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2133} = \begin{pmatrix} 1&0&0&0&6&2&0&2\\ 0&1&0&0&3&3&1&3\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,2134} = \begin{pmatrix} 1&0&0&0&0&3&0&4\\ 0&1&0&0&5&6&3&0\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2135} = \begin{pmatrix} 1&0&0&0&1&6&0&1\\ 0&1&0&0&3&3&1&4\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,2136} = \begin{pmatrix} 1&0&0&0&5&3&6&4\\ 0&1&0&0&3&3&1&4\\ 0&0&1&0&6&1&0&0\\ 0&0&0&1&1&0&0&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2137} = \begin{pmatrix} 1&0&0&0&0&0&3&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2138} = \begin{pmatrix} 1&0&0&0&1&3&3&2\\ 0&1&0&0&3&5&3&5\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2139} = \begin{pmatrix} 1&0&0&0&0&2&4&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2140} = \begin{pmatrix} 1&0&0&0&5&3&1&6\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2141} = \begin{pmatrix} 1&0&0&0&2&0&0&0\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2142} = \begin{pmatrix} 1&0&0&0&0&1&2&1\\ 0&1&0&0&5&6&1&0\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2143} = \begin{pmatrix} 1&0&0&0&4&0&6&3\\ 0&1&0&0&1&0&0&5\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2144} = \begin{pmatrix} 1&0&0&0&0&1&0&0\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2145} = \begin{pmatrix} 1&0&0&0&6&6&5&3\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2146} = \begin{pmatrix} 1&0&0&0&3&1&3&6\\ 0&1&0&0&5&6&1&2\\ 0&0&1&0&6&1&3&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2147} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2148} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2149} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2150} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2151} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2152} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2153} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2154} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2155} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2156} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2157} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2158} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2159} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2160} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2161} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2162} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2163} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2164} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2165} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2166} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2167} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2168} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2169} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2170} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2171} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2172} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2173} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2174} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2175} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2176} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2177} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2178} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2179} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2180} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2181} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2182} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2183} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2184} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2185} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2186} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2187} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2188} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 3 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2189} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2190} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2191} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2192} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2193} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2194} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2195} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2196} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2197} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2198} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2199} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2200} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2201} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2202} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2203} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2204} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2205} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2206} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2207} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2208} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2209} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2210} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2211} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2212} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2213} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2214} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2215} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2216} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2217} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2218} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2219} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2220} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2221} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2222} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2223} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2224} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2225} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2226} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2227} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2228} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2229} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2230} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2231} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2232} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2233} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2234} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2235} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2236} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2237} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2238} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2239} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2240} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2241} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2242} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2243} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2244} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2245} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2246} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2247} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2248} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2249} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2250} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2251} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2252} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2253} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2254} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2255} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2256} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2257} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2258} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2259} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2260} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2261} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2262} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2263} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2264} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2265} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2266} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2267} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2268} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2269} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2270} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2271} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2272} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2273} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2274} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2275} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2276} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2277} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2278} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2279} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2280} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2281} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2282} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2283} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2284} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2285} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2286} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2287} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2288} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2289} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2290} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2291} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2292} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2293} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2294} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2295} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2296} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2297} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2298} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2307} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&5&6&3&1\\ 0&0&1&0&0&1&0&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2308} = \begin{pmatrix} 1&0&0&0&1&3&6&4\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2309} = \begin{pmatrix} 1&0&0&0&4&2&0&0\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2310} = \begin{pmatrix} 1&0&0&0&5&2&2&5\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2311} = \begin{pmatrix} 1&0&0&0&2&6&0&1\\ 0&1&0&0&3&3&1&0\\ 0&0&1&0&6&1&0&1\\ 0&0&0&1&1&0&0&1 \end{pmatrix}, \quad \mathcal{C}_{8,2312} = \begin{pmatrix} 1&0&0&0&4&1&2&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2313} = \begin{pmatrix} 1&0&0&0&1&1&3&1\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2314} = \begin{pmatrix} 1&0&0&0&6&4&4&2\\ 0&1&0&0&4&6&2&1\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,2315} = \begin{pmatrix} 1&0&0&0&0&5&3&6\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2316} = \begin{pmatrix} 1&0&0&0&2&5&0&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2317} = \begin{pmatrix} 1&0&0&0&1&4&0&6\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2318} = \begin{pmatrix} 1&0&0&0&3&4&4&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2319} = \begin{pmatrix} 1&0&0&0&6&4&3&3\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2320} = \begin{pmatrix} 1&0&0&0&6&2&4&1\\ 0&1&0&0&4&6&2&1\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,2321} = \begin{pmatrix} 1&0&0&0&4&2&3&4\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2322} = \begin{pmatrix} 1&0&0&0&6&2&0&0\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2323} = \begin{pmatrix} 1&0&0&0&5&1&0&4\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2324} = \begin{pmatrix} 1&0&0&0&0&1&4&0\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2325} = \begin{pmatrix} 1&0&0&0&2&1&1&3\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2326} = \begin{pmatrix} 1&0&0&0&2&1&4&1\\ 0&1&0&0&3&5&3&1\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2327} = \begin{pmatrix} 1&0&0&0&5&6&0&5\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2328} = \begin{pmatrix} 1&0&0&0&0&6&4&1\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2329} = \begin{pmatrix} 1&0&0&0&3&6&3&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2330} = \begin{pmatrix} 1&0&0&0&5&3&6&4\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2331} = \begin{pmatrix} 1&0&0&0&4&3&4&6\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2332} = \begin{pmatrix} 1&0&0&0&6&3&1&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2333} = \begin{pmatrix} 1&0&0&0&0&2&5&2\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2334} = \begin{pmatrix} 1&0&0&0&0&5&2&0\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2335} = \begin{pmatrix} 1&0&0&0&4&5&3&6\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2336} = \begin{pmatrix} 1&0&0&0&3&2&0&0\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2337} = \begin{pmatrix} 1&0&0&0&0&2&4&3\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2338} = \begin{pmatrix} 1&0&0&0&1&2&6&1\\ 0&1&0&0&5&0&3&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2411} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2412} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2413} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2414} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2415} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2416} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2417} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2418} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2419} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2420} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2421} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2422} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2423} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2424} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2425} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2426} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2427} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2428} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2429} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2430} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2431} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2432} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2433} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2434} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2435} = \begin{pmatrix} 1&0&0&0&2&5&3&3\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2436} = \begin{pmatrix} 1&0&0&0&4&5&0&4\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2437} = \begin{pmatrix} 1&0&0&0&4&0&0&0\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2438} = \begin{pmatrix} 1&0&0&0&3&3&3&0\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2439} = \begin{pmatrix} 1&0&0&0&4&2&6&6\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2440} = \begin{pmatrix} 1&0&0&0&5&2&1&3\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2441} = \begin{pmatrix} 1&0&0&0&5&1&3&6\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2442} = \begin{pmatrix} 1&0&0&0&2&1&4&1\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2443} = \begin{pmatrix} 1&0&0&0&2&6&6&0\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2444} = \begin{pmatrix} 1&0&0&0&4&1&1&2\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2445} = \begin{pmatrix} 1&0&0&0&5&1&4&0\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2446} = \begin{pmatrix} 1&0&0&0&6&1&5&3\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2447} = \begin{pmatrix} 1&0&0&0&1&2&2&0\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2448} = \begin{pmatrix} 1&0&0&0&1&1&2&4\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2449} = \begin{pmatrix} 1&0&0&0&5&4&0&0\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2450} = \begin{pmatrix} 1&0&0&0&5&3&2&3\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2451} = \begin{pmatrix} 1&0&0&0&1&5&0&5\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2452} = \begin{pmatrix} 1&0&0&0&5&1&2&5\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2453} = \begin{pmatrix} 1&0&0&0&6&1&4&2\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2454} = \begin{pmatrix} 1&0&0&0&4&1&3&4\\ 0&1&0&0&5&0&3&6\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2455} = \begin{pmatrix} 1&0&0&0&0&6&2&0\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2456} = \begin{pmatrix} 1&0&0&0&1&5&6&6\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2457} = \begin{pmatrix} 1&0&0&0&3&5&3&6\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2458} = \begin{pmatrix} 1&0&0&0&5&5&0&6\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2459} = \begin{pmatrix} 1&0&0&0&3&4&5&5\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2460} = \begin{pmatrix} 1&0&0&0&4&4&0&5\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2461} = \begin{pmatrix} 1&0&0&0&5&3&4&4\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2462} = \begin{pmatrix} 1&0&0&0&5&2&6&3\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2463} = \begin{pmatrix} 1&0&0&0&4&2&4&3\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2464} = \begin{pmatrix} 1&0&0&0&6&2&1&3\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2465} = \begin{pmatrix} 1&0&0&0&0&1&5&2\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,2466} = \begin{pmatrix} 1&0&0&0&3&6&4&6\\ 0&1&0&0&5&0&3&0\\ 0&0&1&0&6&1&3&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,2467} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2468} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2469} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2470} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2471} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2472} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2473} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2474} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2475} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2476} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2477} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2478} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2479} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2480} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2481} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2482} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2483} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 6 & 6 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2484} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2485} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2486} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2487} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2488} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2489} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2490} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2523} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2524} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2525} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2526} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2527} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2528} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2529} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2530} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2531} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2532} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2533} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2534} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 6 & 2 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 1 & 2 \end{pmatrix},$$

$$\mathcal{C}_{8,2535} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2536} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2537} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2538} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2539} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2540} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2541} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2542} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 6 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2543} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2544} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2545} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2546} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2547} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2548} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2549} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2550} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2551} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2552} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2553} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2554} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2571} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2572} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2573} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2574} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2575} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2576} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2577} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2578} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2579} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2580} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2581} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2582} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2583} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2584} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2585} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2586} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2587} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2588} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2589} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2590} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2591} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2592} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2593} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2594} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2595} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2596} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2597} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2598} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2599} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2600} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2601} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2602} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2629} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2630} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2631} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2632} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2633} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2634} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2635} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2636} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2637} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2638} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2639} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2640} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2641} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2642} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2643} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2644} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2645} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2646} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2647} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2648} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2649} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2650} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2651} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2652} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2653} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2654} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2655} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2656} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2657} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2658} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2659} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2660} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2661} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2662} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2663} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2664} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2665} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2666} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2667} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2668} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2669} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2670} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2671} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2672} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2673} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2674} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2675} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2676} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2677} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2678} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2679} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2680} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2681} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2682} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2683} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2684} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2685} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2686} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2687} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2688} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2689} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2690} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2691} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 5 & 3 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2692} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2693} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2694} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2695} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2696} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2697} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2698} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2699} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2700} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2701} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2702} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2703} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2704} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2705} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2706} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2707} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2708} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2709} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2710} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2711} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2712} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2713} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2714} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2715} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2716} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2717} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2718} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2719} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2720} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2721} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2722} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2723} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2724} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2725} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2726} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2727} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2728} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2729} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2730} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2731} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2732} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2733} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2734} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2735} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2736} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2737} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2738} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2739} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2740} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2741} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2742} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2743} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2744} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2745} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2746} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2747} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2748} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2749} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2750} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2751} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2752} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 3 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2753} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2754} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2755} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2756} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2757} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2758} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2759} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2760} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2761} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2762} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2763} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2764} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2765} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2766} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2767} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2768} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2769} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2770} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,2771} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2772} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2773} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2774} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2775} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2776} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2777} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2778} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2779} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2780} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2781} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2782} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2783} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2784} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2785} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2786} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2787} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2788} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2789} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2790} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2791} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2792} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2793} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2794} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2795} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2796} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2797} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2798} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2799} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2800} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2801} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2802} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2803} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2804} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2805} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2806} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2807} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2808} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2809} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2810} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2811} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2812} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2813} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2814} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2815} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2816} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2817} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2818} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2819} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2820} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2821} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2822} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2823} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2824} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2825} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2826} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2827} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2828} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2829} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2830} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2831} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2832} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2833} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2834} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2835} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2836} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2837} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2838} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2839} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2840} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2841} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2842} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2843} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2844} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2845} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2846} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2847} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2848} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2849} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2850} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2851} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2852} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2853} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2854} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2855} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2856} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2857} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2858} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2859} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2860} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2861} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2862} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2863} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2864} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2865} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2866} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2867} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2868} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2869} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2870} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2871} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2872} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2873} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2874} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2875} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2876} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2877} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2878} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2879} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2880} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2881} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2882} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2883} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2884} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2885} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2886} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2887} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2888} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2889} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2890} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2891} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2892} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2893} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2894} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2895} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2896} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2897} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2898} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2899} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2900} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2901} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2902} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2903} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2904} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2905} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2906} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2907} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2908} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2909} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2910} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2911} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2912} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2913} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2914} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2915} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2916} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2917} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2918} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2919} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2920} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2921} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2922} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2923} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2924} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2925} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2926} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2927} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2928} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2929} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2930} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2931} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2932} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2933} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2934} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2935} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2936} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2937} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2938} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2939} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2940} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2941} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2942} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2943} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2944} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2945} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2946} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2947} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2948} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2949} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2950} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2951} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2952} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2953} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2954} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2955} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2956} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2957} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2958} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2959} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2960} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2961} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2962} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2963} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2964} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2965} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2966} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2967} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2968} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2969} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2970} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2971} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2972} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2973} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2974} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2975} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2976} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2977} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2978} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2979} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2980} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2981} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2982} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2983} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2984} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2985} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,2986} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2987} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2988} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2989} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2990} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2991} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2992} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2993} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2994} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2995} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2996} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2997} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,2998} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,2999} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3000} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3001} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3002} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3003} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3004} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3005} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3006} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3007} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3008} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3009} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3010} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3011} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3012} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3013} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3014} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3015} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3016} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3017} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3018} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3019} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3020} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3021} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3022} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3023} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3024} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3025} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3026} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3027} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3028} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3029} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3030} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3031} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3032} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3033} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3034} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3035} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3036} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3037} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3038} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3039} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3040} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3041} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3042} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3043} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3044} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3045} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3046} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3047} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3048} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3049} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3050} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3051} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3052} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3053} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3054} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3055} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3056} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3057} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3058} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3059} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3060} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3061} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3062} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3063} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3064} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3065} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3066} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3067} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3068} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3069} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3070} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3071} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3072} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3073} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3074} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3075} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3076} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3077} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3078} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3079} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3080} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3081} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3082} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3083} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3084} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3085} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3086} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3087} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3088} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3089} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3090} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3091} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3092} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3093} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3094} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3095} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3096} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3097} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3098} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3099} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3107} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3108} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3109} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3110} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3111} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3112} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3113} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3114} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3115} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3116} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3117} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3118} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3119} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3120} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3121} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3122} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3123} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3124} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3125} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3126} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3127} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3128} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3129} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3130} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3131} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3132} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3133} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3134} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3135} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3136} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3137} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3138} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3139} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3140} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3141} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3142} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3143} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3144} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3145} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3146} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3147} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3148} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3149} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3150} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 5 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3151} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3152} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3153} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3154} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3155} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3156} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3157} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3158} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3159} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3160} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3161} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3162} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3163} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3164} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3165} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3166} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3167} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3168} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3169} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3170} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3171} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3172} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3173} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3174} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3175} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3176} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3177} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3178} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3179} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3180} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3181} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3182} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3183} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3184} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3185} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3186} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3187} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3188} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3189} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3190} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3191} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3192} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3193} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3194} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3195} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3196} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3197} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3198} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3199} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3200} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3201} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3202} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3203} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3204} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3205} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3206} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3207} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3208} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3209} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3210} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3211} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3212} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3213} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3214} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3215} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3216} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3217} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3218} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3219} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3220} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3221} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3222} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3223} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3224} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3225} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3226} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3227} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3228} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3229} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3230} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3231} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3232} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3233} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3234} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3235} = \begin{pmatrix} 1&0&0&0&0&2&3&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3236} = \begin{pmatrix} 1&0&0&0&5&1&1&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3237} = \begin{pmatrix} 1&0&0&0&4&4&0&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3238} = \begin{pmatrix} 1&0&0&0&0&6&0&0\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3239} = \begin{pmatrix} 1&0&0&0&0&5&6&4\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3240} = \begin{pmatrix} 1&0&0&0&1&1&0&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3241} = \begin{pmatrix} 1&0&0&0&0&4&6&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3242} = \begin{pmatrix} 1&0&0&0&1&0&5&3\\ 0&1&0&0&4&6&2&0\\ 0&0&1&0&6&1&3&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3243} = \begin{pmatrix} 1&0&0&0&3&2&2&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3244} = \begin{pmatrix} 1&0&0&0&6&5&6&1\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3245} = \begin{pmatrix} 1&0&0&0&1&3&3&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3246} = \begin{pmatrix} 1&0&0&0&6&5&4&4\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&3\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3247} = \begin{pmatrix} 1&0&0&0&6&2&1&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3248} = \begin{pmatrix} 1&0&0&0&5&5&0&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3249} = \begin{pmatrix} 1&0&0&0&3&6&1&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3250} = \begin{pmatrix} 1&0&0&0&2&2&0&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3251} = \begin{pmatrix} 1&0&0&0&0&1&5&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3252} = \begin{pmatrix} 1&0&0&0&6&4&4&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3253} = \begin{pmatrix} 1&0&0&0&0&0&0&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3254} = \begin{pmatrix} 1&0&0&0&5&0&3&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3255} = \begin{pmatrix} 1&0&0&0&0&0&5&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3256} = \begin{pmatrix} 1&0&0&0&0&0&4&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3257} = \begin{pmatrix} 1&0&0&0&0&0&3&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3258} = \begin{pmatrix} 1&0&0&0&3&1&4&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3259} = \begin{pmatrix} 1&0&0&0&2&4&3&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3260} = \begin{pmatrix} 1&0&0&0&0&5&4&3\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3261} = \begin{pmatrix} 1&0&0&0&1&0&2&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3262} = \begin{pmatrix} 1&0&0&0&0&1&0&0\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3263} = \begin{pmatrix} 1&0&0&0&0&3&1&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3264} = \begin{pmatrix} 1&0&0&0&6&6&0&1\\ 0&1&0&0&0&0&1&0\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3265} = \begin{pmatrix} 1&0&0&0&6&6&0&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3266} = \begin{pmatrix} 1&0&0&0&0&5&4&1\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3267} = \begin{pmatrix} 1&0&0&0&1&5&2&0\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3268} = \begin{pmatrix} 1&0&0&0&4&3&1&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3269} = \begin{pmatrix} 1&0&0&0&0&0&5&6\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3270} = \begin{pmatrix} 1&0&0&0&0&6&2&5\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3271} = \begin{pmatrix} 1&0&0&0&0&1&4&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3272} = \begin{pmatrix} 1&0&0&0&0&3&6&1\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3273} = \begin{pmatrix} 1&0&0&0&5&2&5&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3274} = \begin{pmatrix} 1&0&0&0&4&5&4&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3275} = \begin{pmatrix} 1&0&0&0&1&0&1&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3276} = \begin{pmatrix} 1&0&0&0&5&4&1&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3277} = \begin{pmatrix} 1&0&0&0&0&0&6&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3278} = \begin{pmatrix} 1&0&0&0&4&2&3&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3279} = \begin{pmatrix} 1&0&0&0&5&1&0&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3280} = \begin{pmatrix} 1&0&0&0&4&4&6&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3281} = \begin{pmatrix} 1&0&0&0&0&6&1&6\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3282} = \begin{pmatrix} 1&0&0&0&6&1&5&5\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3283} = \begin{pmatrix} 1&0&0&0&6&3&1&5\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3284} = \begin{pmatrix} 1&0&0&0&3&4&4&3\\ 0&1&0&0&0&0&1&1\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3285} = \begin{pmatrix} 1&0&0&0&0&2&5&5\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3286} = \begin{pmatrix} 1&0&0&0&0&4&6&1\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3287} = \begin{pmatrix} 1&0&0&0&3&4&0&5\\ 0&1&0&0&1&4&1&0\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3288} = \begin{pmatrix} 1&0&0&0&5&6&5&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3289} = \begin{pmatrix} 1&0&0&0&6&3&0&3\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3290} = \begin{pmatrix} 1&0&0&0&0&2&3&0\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3291} = \begin{pmatrix} 1&0&0&0&6&5&2&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3292} = \begin{pmatrix} 1&0&0&0&5&1&1&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3293} = \begin{pmatrix} 1&0&0&0&3&0&6&3\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3294} = \begin{pmatrix} 1&0&0&0&2&3&5&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3295} = \begin{pmatrix} 1&0&0&0&1&1&0&0\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3296} = \begin{pmatrix} 1&0&0&0&0&4&6&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3297} = \begin{pmatrix} 1&0&0&0&2&5&5&2\\ 0&1&0&0&0&0&1&2\\ 0&0&1&0&0&1&1&6\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3298} = \begin{pmatrix} 1&0&0&0&5&3&4&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3307} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3308} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3309} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3310} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3311} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3312} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3313} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3314} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3315} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3316} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3317} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3318} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3319} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3320} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3321} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3322} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3323} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3324} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3325} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3326} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3327} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3328} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3329} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3330} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3331} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3332} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3333} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3334} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3335} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3336} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3337} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3338} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3411} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3412} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3413} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3414} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3415} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3416} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3417} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3418} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3419} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3420} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3421} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3422} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3423} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3424} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3425} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3426} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3427} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3428} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3429} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3430} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3431} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3432} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3433} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3434} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3435} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3436} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3437} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3438} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3439} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3440} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3441} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3442} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3443} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3444} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3445} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3446} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3447} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3448} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3449} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3450} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3451} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3452} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3453} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3454} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3455} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3456} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3457} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3458} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3459} = \begin{pmatrix} 1&0&0&0&3&3&1&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3460} = \begin{pmatrix} 1&0&0&0&6&1&4&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3461} = \begin{pmatrix} 1&0&0&0&6&3&0&3\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3462} = \begin{pmatrix} 1&0&0&0&5&6&6&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3463} = \begin{pmatrix} 1&0&0&0&4&2&5&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3464} = \begin{pmatrix} 1&0&0&0&2&1&3&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3465} = \begin{pmatrix} 1&0&0&0&6&5&3&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3466} = \begin{pmatrix} 1&0&0&0&5&1&2&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3467} = \begin{pmatrix} 1&0&0&0&2&3&6&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3468} = \begin{pmatrix} 1&0&0&0&1&6&5&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3469} = \begin{pmatrix} 1&0&0&0&1&1&1&3\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3470} = \begin{pmatrix} 1&0&0&0&0&4&0&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3471} = \begin{pmatrix} 1&0&0&0&6&0&6&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3472} = \begin{pmatrix} 1&0&0&0&4&6&4&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3473} = \begin{pmatrix} 1&0&0&0&3&2&3&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3474} = \begin{pmatrix} 1&0&0&0&2&5&2&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3475} = \begin{pmatrix} 1&0&0&0&6&6&4&0\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3476} = \begin{pmatrix} 1&0&0&0&5&2&3&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3477} = \begin{pmatrix} 1&0&0&0&4&5&2&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3478} = \begin{pmatrix} 1&0&0&0&2&6&3&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3479} = \begin{pmatrix} 1&0&0&0&1&2&2&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3480} = \begin{pmatrix} 1&0&0&0&6&1&0&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3481} = \begin{pmatrix} 1&0&0&0&5&4&6&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3482} = \begin{pmatrix} 1&0&0&0&4&0&5&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3483} = \begin{pmatrix} 1&0&0&0&3&5&0&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3484} = \begin{pmatrix} 1&0&0&0&2&1&6&1\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3485} = \begin{pmatrix} 1&0&0&0&0&0&4&6\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3486} = \begin{pmatrix} 1&0&0&0&6&3&3&5\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3487} = \begin{pmatrix} 1&0&0&0&5&6&2&4\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3488} = \begin{pmatrix} 1&0&0&0&4&2&1&3\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3489} = \begin{pmatrix} 1&0&0&0&4&4&4&2\\ 0&1&0&0&1&4&1&1\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3490} = \begin{pmatrix} 1&0&0&0&5&3&4&2\\ 0&1&0&0&4&6&2&6\\ 0&0&1&0&6&1&3&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 4 & 6 & 2 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 3 & 1 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3523} = \begin{pmatrix} 1&0&0&0&0&4&6&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3524} = \begin{pmatrix} 1&0&0&0&5&3&4&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3525} = \begin{pmatrix} 1&0&0&0&4&6&3&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3526} = \begin{pmatrix} 1&0&0&0&3&2&2&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3527} = \begin{pmatrix} 1&0&0&0&1&3&3&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3528} = \begin{pmatrix} 1&0&0&0&0&6&2&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3529} = \begin{pmatrix} 1&0&0&0&5&5&0&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3530} = \begin{pmatrix} 1&0&0&0&4&1&6&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3531} = \begin{pmatrix} 1&0&0&0&4&3&2&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3532} = \begin{pmatrix} 1&0&0&0&3&6&1&6\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3533} = \begin{pmatrix} 1&0&0&0&2&2&0&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3534} = \begin{pmatrix} 1&0&0&0&1&5&6&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3535} = \begin{pmatrix} 1&0&0&0&0&1&5&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3536} = \begin{pmatrix} 1&0&0&0&6&4&4&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3537} = \begin{pmatrix} 1&0&0&0&3&1&4&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3538} = \begin{pmatrix} 1&0&0&0&2&4&3&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3539} = \begin{pmatrix} 1&0&0&0&1&0&2&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3540} = \begin{pmatrix} 1&0&0&0&0&3&1&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3541} = \begin{pmatrix} 1&0&0&0&6&1&3&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3542} = \begin{pmatrix} 1&0&0&0&5&4&2&6\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3543} = \begin{pmatrix} 1&0&0&0&3&3&0&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3544} = \begin{pmatrix} 1&0&0&0&2&6&6&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3545} = \begin{pmatrix} 1&0&0&0&1&2&5&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3546} = \begin{pmatrix} 1&0&0&0&0&5&4&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3547} = \begin{pmatrix} 1&0&0&0&5&3&0&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3548} = \begin{pmatrix} 1&0&0&0&4&6&6&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3549} = \begin{pmatrix} 1&0&0&0&2&5&5&1\\ 0&1&0&0&3&0&5&1\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,3550} = \begin{pmatrix} 1&0&0&0&1&1&3&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3551} = \begin{pmatrix} 1&0&0&0&0&6&5&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3552} = \begin{pmatrix} 1&0&0&0&6&2&4&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3553} = \begin{pmatrix} 1&0&0&0&5&5&3&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3554} = \begin{pmatrix} 1&0&0&0&4&1&2&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3571} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3572} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3573} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3574} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3575} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3576} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3577} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3578} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3579} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3580} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3581} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3582} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3583} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3584} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3585} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3586} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3587} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3588} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3589} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3590} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3591} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3592} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3593} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3594} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3595} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3596} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3597} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3598} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3599} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3600} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3601} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3602} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3629} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3630} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3631} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3632} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3633} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3634} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3635} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3636} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3637} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3638} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3639} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3640} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3641} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3642} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3643} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3644} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3645} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3646} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3647} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3648} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3649} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3650} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3651} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3652} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3653} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3654} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3655} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3656} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3657} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3658} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3659} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3660} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3661} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3662} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3663} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3664} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3665} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3666} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3667} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3668} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3669} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3670} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3671} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3672} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3673} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3674} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3675} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3676} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3677} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3678} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3679} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3680} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3681} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3682} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3683} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3684} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3685} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3686} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3687} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3688} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3689} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3690} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3691} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3692} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3693} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3694} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3695} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3696} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3697} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3698} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3699} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3700} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3701} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3702} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3703} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3704} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3705} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3706} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3707} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3708} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3709} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3710} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3711} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3712} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3713} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3714} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3715} = \begin{pmatrix} 1&0&0&0&6&1&0&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3716} = \begin{pmatrix} 1&0&0&0&5&4&6&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3717} = \begin{pmatrix} 1&0&0&0&1&4&5&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3718} = \begin{pmatrix} 1&0&0&0&6&3&3&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3719} = \begin{pmatrix} 1&0&0&0&4&2&1&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3720} = \begin{pmatrix} 1&0&0&0&4&4&4&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3721} = \begin{pmatrix} 1&0&0&0&3&0&3&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3722} = \begin{pmatrix} 1&0&0&0&2&3&2&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3723} = \begin{pmatrix} 1&0&0&0&1&6&1&3\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3724} = \begin{pmatrix} 1&0&0&0&6&5&6&6\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3725} = \begin{pmatrix} 1&0&0&0&5&1&5&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3726} = \begin{pmatrix} 1&0&0&0&5&3&1&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3727} = \begin{pmatrix} 1&0&0&0&1&1&4&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3728} = \begin{pmatrix} 1&0&0&0&0&4&3&6\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3729} = \begin{pmatrix} 1&0&0&0&6&2&5&2\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3730} = \begin{pmatrix} 1&0&0&0&5&5&4&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3731} = \begin{pmatrix} 1&0&0&0&4&1&3&5\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3732} = \begin{pmatrix} 1&0&0&0&0&6&6&4\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3733} = \begin{pmatrix} 1&0&0&0&6&4&1&0\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3734} = \begin{pmatrix} 1&0&0&0&3&6&5&1\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3735} = \begin{pmatrix} 1&0&0&0&2&2&4&6\\ 0&1&0&0&1&4&1&2\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3736} = \begin{pmatrix} 1&0&0&0&0&2&3&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3737} = \begin{pmatrix} 1&0&0&0&6&5&2&2\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3738} = \begin{pmatrix} 1&0&0&0&0&5&4&0\\ 0&1&0&0&2&0&6&1\\ 0&0&1&0&0&1&1&0\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,3739} = \begin{pmatrix} 1&0&0&0&5&1&1&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3740} = \begin{pmatrix} 1&0&0&0&4&4&0&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3741} = \begin{pmatrix} 1&0&0&0&3&0&6&0\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3742} = \begin{pmatrix} 1&0&0&0&2&3&5&4\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3743} = \begin{pmatrix} 1&0&0&0&1&1&0&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3744} = \begin{pmatrix} 1&0&0&0&0&4&6&2\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3745} = \begin{pmatrix} 1&0&0&0&5&3&4&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3746} = \begin{pmatrix} 1&0&0&0&4&6&3&0\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3747} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3748} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3749} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3750} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3751} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3752} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3753} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3754} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3755} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3756} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3757} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3758} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3759} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3760} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3761} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3762} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3763} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3764} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3765} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3766} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3767} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 6 & 2 & 0 & 6 \\ 0 & 0 & 1 & 0 & 3 & 0 & 4 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 2 & 6 \end{pmatrix}, \quad \mathcal{C}_{8,3768} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3769} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3770} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3771} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3772} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3773} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3774} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3775} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3776} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3777} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3778} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3779} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3780} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3781} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3782} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3783} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3784} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3785} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3786} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3787} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3788} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3789} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3790} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3791} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3792} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3793} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3794} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3795} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3796} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3797} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3798} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3799} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3800} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3801} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3802} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3803} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3804} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3805} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3806} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3807} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3808} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3809} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3810} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3811} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3812} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3813} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3814} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3815} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3816} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3817} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3818} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3819} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3820} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3821} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3822} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3823} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3824} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3825} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3826} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3827} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3828} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3829} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3830} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3831} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3832} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3833} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3834} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3835} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3836} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3837} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3838} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3839} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3840} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3841} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3842} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3843} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3844} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3845} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3846} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3847} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3848} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3849} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3850} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3851} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3852} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3853} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3854} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3855} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3856} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3857} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3858} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3859} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3860} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3861} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3862} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3863} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3864} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3865} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3866} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3867} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3868} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3869} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3870} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3871} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3872} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3873} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3874} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3875} = \begin{pmatrix} 1&0&0&0&1&0&3&1\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3876} = \begin{pmatrix} 1&0&0&0&2&0&0&2\\ 0&1&0&0&3&0&5&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix},$$

$$\mathcal{C}_{8,3877} = \begin{pmatrix} 1&0&0&0&0&3&2&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3878} = \begin{pmatrix} 1&0&0&0&5&2&0&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3879} = \begin{pmatrix} 1&0&0&0&2&6&0&1\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3880} = \begin{pmatrix} 1&0&0&0&1&2&6&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3881} = \begin{pmatrix} 1&0&0&0&6&3&0&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3882} = \begin{pmatrix} 1&0&0&0&4&2&5&4\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3883} = \begin{pmatrix} 1&0&0&0&1&4&2&2\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3884} = \begin{pmatrix} 1&0&0&0&0&2&4&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3885} = \begin{pmatrix} 1&0&0&0&5&0&3&5\\ 0&1&0&0&3&0&5&4\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&0 \end{pmatrix}, \quad \mathcal{C}_{8,3886} = \begin{pmatrix} 1&0&0&0&4&4&1&1\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3887} = \begin{pmatrix} 1&0&0&0&1&6&5&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3888} = \begin{pmatrix} 1&0&0&0&1&1&1&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3889} = \begin{pmatrix} 1&0&0&0&2&5&2&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3890} = \begin{pmatrix} 1&0&0&0&4&5&2&4\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3891} = \begin{pmatrix} 1&0&0&0&2&4&0&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3892} = \begin{pmatrix} 1&0&0&0&5&4&6&4\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3893} = \begin{pmatrix} 1&0&0&0&3&5&0&2\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3894} = \begin{pmatrix} 1&0&0&0&2&3&2&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3895} = \begin{pmatrix} 1&0&0&0&1&6&1&0\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3896} = \begin{pmatrix} 1&0&0&0&0&2&0&4\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3897} = \begin{pmatrix} 1&0&0&0&6&5&6&1\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3898} = \begin{pmatrix} 1&0&0&0&4&6&0&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3899} = \begin{pmatrix} 1&0&0&0&6&0&2&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3900} = \begin{pmatrix} 1&0&0&0&5&5&4&6\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3901} = \begin{pmatrix} 1&0&0&0&4&1&3&3\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3902} = \begin{pmatrix} 1&0&0&0&1&3&0&1\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3903} = \begin{pmatrix} 1&0&0&0&0&6&6&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3904} = \begin{pmatrix} 1&0&0&0&1&5&3&5\\ 0&1&0&0&1&4&1&3\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3905} = \begin{pmatrix} 1&0&0&0&4&2&4&3\\ 0&1&0&0&1&4&1&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,3906} = \begin{pmatrix} 1&0&0&0&0&2&3&4\\ 0&1&0&0&1&4&1&4\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,3907} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3908} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3909} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3910} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3911} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3912} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3913} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3914} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3915} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3916} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3917} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3918} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3919} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3920} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3921} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3922} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,3923} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3924} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3925} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3926} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3927} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3928} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3929} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3930} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3931} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3932} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3933} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3934} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3935} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3936} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3937} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3938} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3939} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3940} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3941} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3942} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3943} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3944} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3945} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3946} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3947} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3948} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3949} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3950} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3951} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3952} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3953} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3954} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3955} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3956} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3957} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3958} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3959} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3960} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3961} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3962} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3963} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3964} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3965} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3966} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3967} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3968} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3969} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3970} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3971} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3972} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3973} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3974} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3975} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3976} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3977} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3978} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3979} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,3980} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3981} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3982} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3983} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3984} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3985} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3986} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3987} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3988} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3989} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3990} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3991} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3992} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3993} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3994} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3995} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3996} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3997} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,3998} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,3999} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4000} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4001} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4002} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4003} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4004} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4005} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4006} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4007} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4008} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4009} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4010} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4011} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 2 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4012} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4013} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4014} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4015} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4016} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4017} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4018} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4019} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4020} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4021} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4022} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4023} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4024} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4025} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4026} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4027} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4028} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4029} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4030} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4031} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4032} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4033} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4034} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4035} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4036} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4037} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4038} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4039} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4040} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4041} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4042} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4043} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4044} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4045} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4046} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4047} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4048} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4049} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4050} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4051} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4052} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4053} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4054} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4055} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4056} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4057} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4058} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4059} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4060} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4061} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4062} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4063} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4064} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4065} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4066} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4067} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4068} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4069} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4070} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4071} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4072} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4073} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4074} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4075} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4076} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4077} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4078} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4079} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4080} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4081} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4082} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4083} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4084} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4085} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4086} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4087} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4088} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4089} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4090} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4091} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4092} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4093} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4094} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4095} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4096} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4097} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4098} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4099} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4100} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4101} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4102} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4103} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4104} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4105} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4106} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4107} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4108} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4109} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4110} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4111} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4112} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4113} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4114} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4115} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4116} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4117} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4118} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4119} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4120} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4121} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4122} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4123} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4124} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4125} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4126} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4127} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4128} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4129} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4130} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4131} = \begin{pmatrix} 1&0&0&0&1&0&0&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4132} = \begin{pmatrix} 1&0&0&0&0&0&5&1\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4133} = \begin{pmatrix} 1&0&0&0&1&3&4&5\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4134} = \begin{pmatrix} 1&0&0&0&0&6&3&0\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4135} = \begin{pmatrix} 1&0&0&0&0&1&6&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4136} = \begin{pmatrix} 1&0&0&0&4&3&3&1\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4137} = \begin{pmatrix} 1&0&0&0&5&2&0&1\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4138} = \begin{pmatrix} 1&0&0&0&5&4&3&3\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4139} = \begin{pmatrix} 1&0&0&0&0&5&3&3\\ 0&1&0&0&3&0&5&1\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4140} = \begin{pmatrix} 1&0&0&0&1&2&6&4\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4141} = \begin{pmatrix} 1&0&0&0&3&0&5&0\\ 0&1&0&0&2&3&4&0\\ 0&0&1&0&6&1&1&1\\ 0&0&0&1&1&0&0&0 \end{pmatrix}, \quad \mathcal{C}_{8,4142} = \begin{pmatrix} 1&0&0&0&3&5&4&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4143} = \begin{pmatrix} 1&0&0&0&2&1&3&4\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4144} = \begin{pmatrix} 1&0&0&0&1&4&2&6\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4145} = \begin{pmatrix} 1&0&0&0&4&4&1&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4146} = \begin{pmatrix} 1&0&0&0&3&0&0&4\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4147} = \begin{pmatrix} 1&0&0&0&2&3&6&6\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4148} = \begin{pmatrix} 1&0&0&0&1&1&1&3\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4149} = \begin{pmatrix} 1&0&0&0&0&2&0&0\\ 0&1&0&0&3&0&5&1\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4150} = \begin{pmatrix} 1&0&0&0&5&3&5&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4151} = \begin{pmatrix} 1&0&0&0&4&6&4&4\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4152} = \begin{pmatrix} 1&0&0&0&1&4&0&3\\ 0&1&0&0&1&1&1&3\\ 0&0&1&0&0&1&1&2\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4153} = \begin{pmatrix} 1&0&0&0&2&5&2&1\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4154} = \begin{pmatrix} 1&0&0&0&1&0&6&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4155} = \begin{pmatrix} 1&0&0&0&1&0&0&0\\ 0&1&0&0&3&0&5&1\\ 0&0&1&0&0&1&1&1\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4156} = \begin{pmatrix} 1&0&0&0&4&2&1&0\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4157} = \begin{pmatrix} 1&0&0&0&4&4&4&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4158} = \begin{pmatrix} 1&0&0&0&5&1&5&0\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4159} = \begin{pmatrix} 1&0&0&0&2&6&6&1\\ 0&1&0&0&1&2&4&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4160} = \begin{pmatrix} 1&0&0&0&6&2&5&2\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4161} = \begin{pmatrix} 1&0&0&0&4&1&3&6\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix}, \quad \mathcal{C}_{8,4162} = \begin{pmatrix} 1&0&0&0&2&0&1&3\\ 0&1&0&0&1&4&1&5\\ 0&0&1&0&6&1&3&0\\ 0&0&0&1&1&0&6&1 \end{pmatrix},$$

$$\mathcal{C}_{8,4163} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4164} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4165} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4166} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4167} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4168} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4169} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4170} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4171} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4172} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4173} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4174} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4175} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4176} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4177} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4178} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4179} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4180} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4181} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4182} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4183} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4184} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4185} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4186} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4187} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4188} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4189} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4190} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 6 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4191} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4192} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4193} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4194} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4195} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4196} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4197} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4198} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4199} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4200} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4201} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4202} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4203} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4204} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4205} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4206} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4207} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4208} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4209} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4210} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4211} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4212} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4213} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4214} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4215} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4216} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4217} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4218} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4219} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4220} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4221} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4222} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4223} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4224} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4225} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4226} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4227} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4228} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4229} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4230} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4231} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4232} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4233} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4234} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4235} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4236} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4237} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4238} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4239} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4240} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4241} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4242} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4243} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4244} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4245} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4246} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4247} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4248} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4249} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4250} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4251} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4252} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4253} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4254} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4255} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4256} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4257} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4258} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4259} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4260} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4261} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4262} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4263} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4264} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4265} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4266} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4267} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4268} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4269} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4270} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4271} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4272} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4273} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4274} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4275} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4276} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4277} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4278} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4279} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4280} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4281} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4282} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4283} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4284} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4285} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4286} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4287} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4288} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4289} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4290} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4291} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4292} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4293} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4294} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4295} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4296} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4297} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4298} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4299} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4300} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4301} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4302} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4303} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4304} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4305} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4306} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4307} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4308} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4309} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4310} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4311} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4312} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4313} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4314} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4315} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4316} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4317} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4318} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4319} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4320} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4321} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 1 & 1 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4322} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4323} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4324} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4325} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4326} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4327} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4328} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4329} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4330} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4331} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4332} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4333} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4334} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4335} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4336} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4337} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4338} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4339} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4340} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4341} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4342} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4343} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4344} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4345} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4346} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4347} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4348} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4349} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4350} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4351} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4352} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4353} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4354} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4355} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4356} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4357} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4358} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4359} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4360} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4361} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4362} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4363} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4364} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4365} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4366} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4367} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4368} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4369} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4370} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4371} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4372} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4373} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4374} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4375} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4376} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4377} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4378} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4379} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4380} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4381} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4382} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4383} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4384} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4385} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4386} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4387} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4388} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4389} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4390} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4391} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4392} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4393} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4394} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4395} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4396} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4397} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4398} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4399} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4400} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4401} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4402} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4403} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4404} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4405} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4406} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4407} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4408} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4409} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4410} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4411} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4412} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4413} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4414} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4415} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4416} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4417} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4418} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4419} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4420} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4421} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4422} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4423} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4424} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4425} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4426} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4427} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4428} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4429} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4430} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4431} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4432} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4433} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4434} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4435} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4436} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4437} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4438} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4439} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4440} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4441} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4442} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4443} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4444} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4445} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4446} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4447} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4448} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4449} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4450} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4451} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4452} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4453} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4454} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4455} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4456} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4457} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4458} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4459} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4460} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 6 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4461} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4462} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4463} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4464} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4465} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4466} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4467} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4468} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4469} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4470} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4471} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4472} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4473} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4474} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4475} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4476} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4477} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4478} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4479} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4480} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4481} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4482} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4483} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4484} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4485} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4486} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4487} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4488} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4489} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4490} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4491} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4492} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4493} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4494} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4495} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4496} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4497} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4498} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 6 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4499} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4500} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4501} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4502} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4503} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4504} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4505} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4506} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4507} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4508} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4509} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4510} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4511} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 3 & 0 & 5 & 4 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4512} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4513} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4514} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 2 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4515} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4516} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4517} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4518} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4519} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4520} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4521} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4522} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4523} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4524} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4525} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4526} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4527} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4528} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4529} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4530} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4531} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4532} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4533} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4534} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4535} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4536} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4537} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4538} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4539} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4540} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4541} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4542} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4543} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4544} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4545} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4546} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4547} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4548} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4549} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4550} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4551} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4552} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4553} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4554} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4555} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4556} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4557} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4558} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 5 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4559} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4560} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4561} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4562} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 2 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4563} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4564} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4565} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4566} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4567} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4568} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4569} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4570} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4571} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4572} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4573} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4574} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4575} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4576} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4577} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4578} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 1 & 6 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4579} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 5 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4580} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 4 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4581} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4582} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4583} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4584} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4585} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4586} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4587} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4588} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4589} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4590} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4591} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4592} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4593} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4594} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4595} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4596} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4597} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4598} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 3 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4599} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4600} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4601} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4602} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4603} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4604} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4605} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4606} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4607} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4608} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4609} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4610} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4611} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 0 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4612} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4613} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 2 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4614} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4615} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4616} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4617} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4618} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4619} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4620} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 2 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4621} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4622} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 3 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4623} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4624} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4625} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4626} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4627} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4628} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4629} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 3 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4630} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 1 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4631} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4632} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4633} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4634} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 3 & 1 & 3 & 3 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4635} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4636} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4637} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4638} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4639} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4640} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4641} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4642} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4643} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4644} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4645} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4646} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4647} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4648} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4649} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4650} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4651} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4652} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4653} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 5 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4654} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4655} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4656} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4657} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 1 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4658} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 6 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 5 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4659} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4660} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 5 & 3 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4661} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 0 & 3 & 5 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4662} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4663} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4664} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 4 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4665} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 0 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4666} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4667} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4668} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4669} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 0 & 6 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4670} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4671} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 4 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4672} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4673} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 1 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4674} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 2 & 2 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4675} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 0 & 2 & 6 \\ 0 & 1 & 0 & 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4676} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 3 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 0 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4677} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 6 & 3 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4678} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4679} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4680} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4681} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4682} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 2 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4683} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4684} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 4 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4685} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 2 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4686} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 6 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4687} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 2 & 5 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4688} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 6 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 5 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 4 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4689} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 2 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4690} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4691} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 3 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4692} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 6 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4693} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 2 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4694} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 1 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4695} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4696} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 3 & 1 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4697} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 0 & 4 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4698} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4699} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 2 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4700} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4701} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 5 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4702} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 4 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4703} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 3 & 1 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4704} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4705} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 2 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4706} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4707} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 1 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 0 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4708} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 5 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4709} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 4 & 1 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4710} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 3 & 5 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4711} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 4 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4712} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 6 & 0 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4713} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4714} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 & 5 & 1 & 0 \\ 0 & 0 & 1 & 0 & 6 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4715} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 1 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4716} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 0 & 5 & 5 \\ 0 & 1 & 0 & 0 & 2 & 0 & 6 & 3 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4717} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 6 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4718} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 2 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4719} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 2 & 0 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 1 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4720} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 4 & 5 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4721} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 1 & 4 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4722} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 6 & 5 & 3 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix},$$

$$\mathcal{C}_{8,4723} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 3 & 3 & 0 \\ 0 & 1 & 0 & 0 & 3 & 4 & 2 & 2 \\ 0 & 0 & 1 & 0 & 0 & 1 & 1 & 6 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4724} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 5 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4725} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 5 & 6 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4726} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 4 & 5 & 0 \\ 0 & 1 & 0 & 0 & 1 & 5 & 4 & 2 \\ 0 & 0 & 1 & 0 & 5 & 6 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4727} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 4 & 3 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4728} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 4 & 6 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4729} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 1 & 2 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4730} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 1 & 0 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4731} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 5 & 5 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4732} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 3 & 0 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4733} = \begin{pmatrix} 1 & 0 & 0 & 0 & 4 & 1 & 5 & 2 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4734} = \begin{pmatrix} 1 & 0 & 0 & 0 & 6 & 6 & 1 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4735} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 1 & 3 & 5 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4736} = \begin{pmatrix} 1 & 0 & 0 & 0 & 5 & 6 & 2 & 6 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4737} = \begin{pmatrix} 1 & 0 & 0 & 0 & 2 & 1 & 4 & 6 \\ 0 & 1 & 0 & 0 & 2 & 3 & 4 & 6 \\ 0 & 0 & 1 & 0 & 6 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \end{pmatrix}, \quad \mathcal{C}_{8,4738} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 4 & 3 & 4 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4739} = \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 2 & 4 & 3 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}, \quad \mathcal{C}_{8,4740} = \begin{pmatrix} 1 & 0 & 0 & 0 & 1 & 3 & 4 & 1 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 3 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix},$$

$$\mathcal{C}_{8,4741} = \begin{pmatrix} 1 & 0 & 0 & 0 & 3 & 5 & 2 & 0 \\ 0 & 1 & 0 & 0 & 4 & 0 & 4 & 4 \\ 0 & 0 & 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 0 & 0 & 1 & 1 & 0 & 6 & 0 \end{pmatrix}.$$