

$$\left(\begin{array}{c|cc|cc|cc|c}
 a_{0,1} & 1 & \xleftarrow{1} & 0 & 0 & 0 & 1 & 1 \\
 1 & 0 & \xleftarrow{1} & 1 & 0 & 0 & 0 & 1 \\
 \hline
 \begin{array}{c} 1 \\ \updownarrow \\ 0 \end{array} & \begin{array}{cc} 1 & 0 \\ \updownarrow & 1 \end{array} & \begin{array}{c} 1 \\ \updownarrow \\ 0 \end{array} & \begin{array}{cc} 1 & 1 \\ \updownarrow & 1 \end{array} & \begin{array}{c} 0 \\ \updownarrow \\ 1 \end{array} & \begin{array}{cc} 0 & 0 \\ \updownarrow & 0 \end{array} & \begin{array}{c} 0 \\ \updownarrow \\ 0 \end{array} \\
 \hline
 0 & 0 & \xleftarrow{1} & 1 & 0 & 1 & 1 & 0 \\
 0 & 0 & \xleftarrow{0} & 1 & 1 & 0 & 1 & 1 \\
 1 & 0 & \xleftarrow{0} & 0 & 1 & 1 & 0 & 1 \\
 1 & 1 & \xleftarrow{0} & 0 & 0 & 1 & 1 & 0
 \end{array} \right)$$