

$$\left( \begin{array}{c|ccccccc} & w_1 & w_2 & w_3 & w_4 & w_5 & w_6 & w_7 \\ \hline w_1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 \\ w_2 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ w_3 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ w_4 & 0 & 0 & 1 & 0 & 1 & 1 & 0 \\ w_5 & 0 & 1 & 1 & 1 & 0 & 1 & 1 \\ w_6 & 0 & 0 & 1 & 1 & 1 & 0 & 0 \\ w_7 & 1 & 0 & 0 & 0 & 1 & 0 & 0 \end{array} \right)$$