

$$\begin{pmatrix} 1 & 0 & 0 & 0 \\ 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} w_1 \\ w_2 & w_3 & w_4 \\ & w_5 & w_6 \\ & & w_7 \end{pmatrix}$$