

$$\left( \begin{array}{cccccc|c} 0 & 0 & 0 & 1 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 1 & 1 & \\ 1 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 1 & 0 & 0 & 1 & \\ 0 & 0 & 1 & 0 & 1 & 0 & \end{array} \right)$$