



$M =$

Tensor form:

$$\begin{matrix}
 \text{Layer 1} & & 1 \rightarrow 2 \\
 \begin{bmatrix} 1 & 0 & 0 \\ 1 & 0 & 1 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} & & \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \\ 0 & 1 & 1 \\ 1 & 0 & 0 \\ 1 & 0 & 0 \end{bmatrix} \\
 2 \rightarrow 1 & & \text{Layer 2}
 \end{matrix}$$