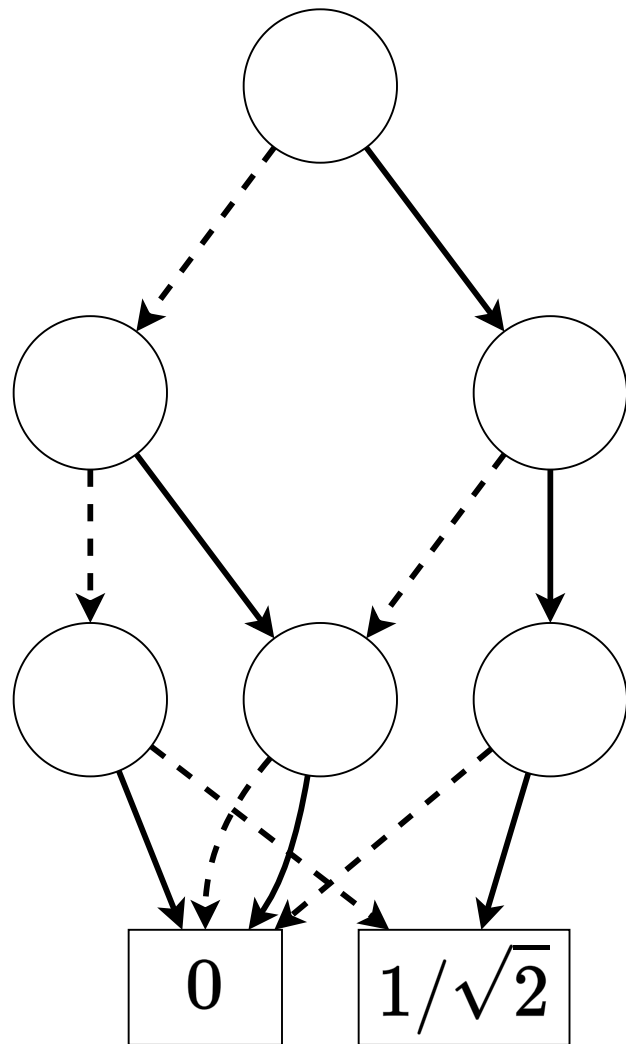


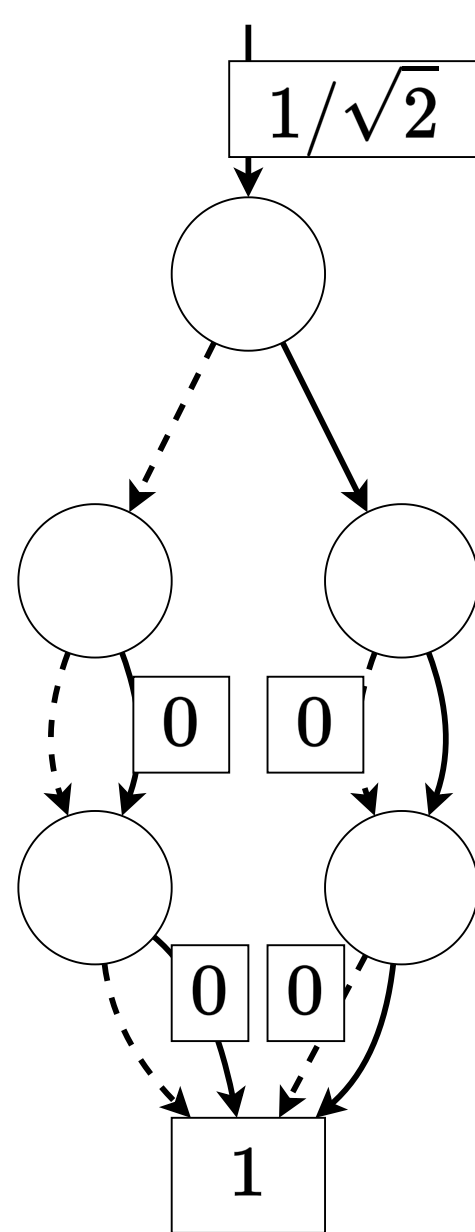
state vector

$$\begin{bmatrix} 1/\sqrt{2} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1/\sqrt{2} \end{bmatrix}$$

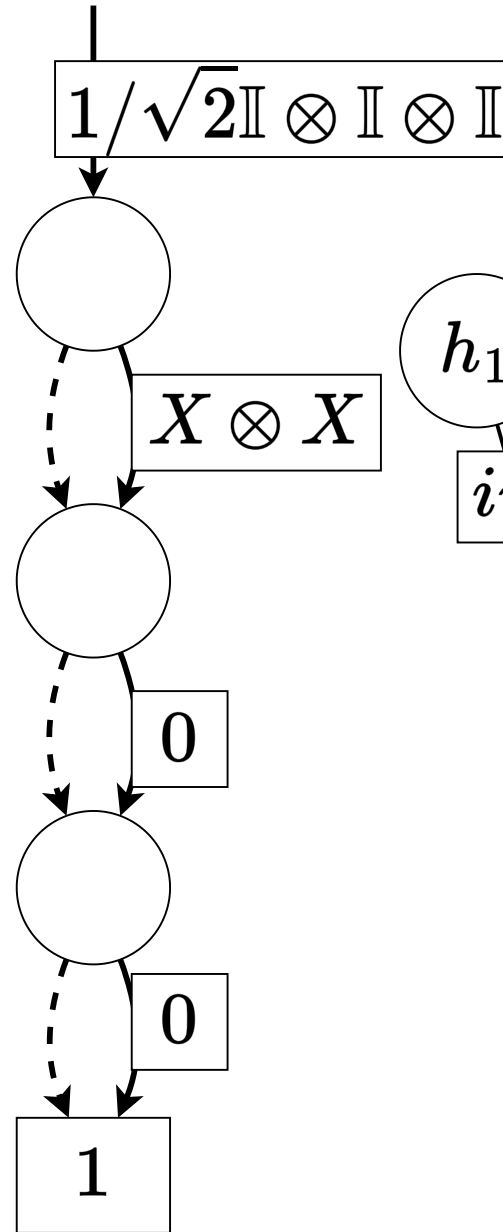
ADD



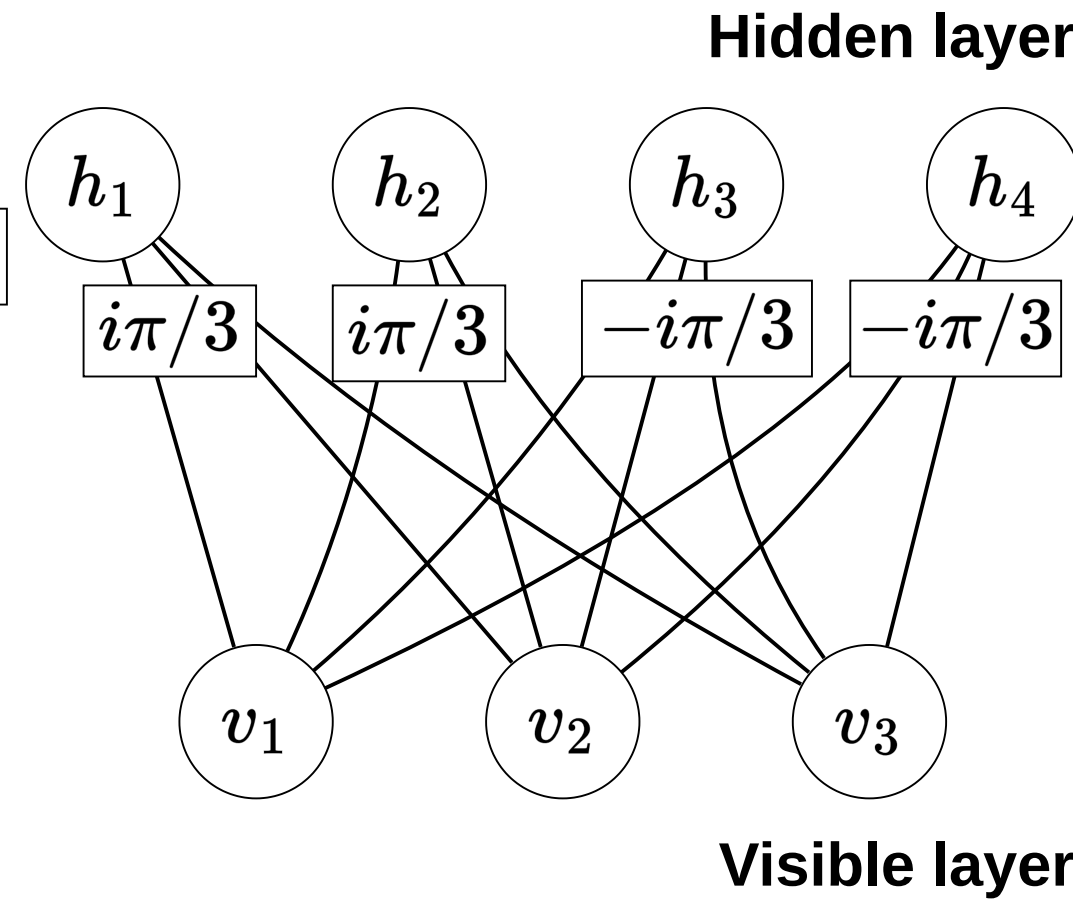
SLDD_×



LIMDD



RBM



MPS

$$A_3^0 = \begin{bmatrix} 1 & 0 \end{bmatrix}$$

$$A_3^1 = \begin{bmatrix} 0 & 1 \end{bmatrix}$$

$$A_2^0 = \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}$$

$$A_2^1 = \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}$$

$$A_1^0 = \begin{bmatrix} 1/\sqrt{2} \\ 0 \end{bmatrix}$$

$$A_1^1 = \begin{bmatrix} 0 \\ 1/\sqrt{2} \end{bmatrix}$$