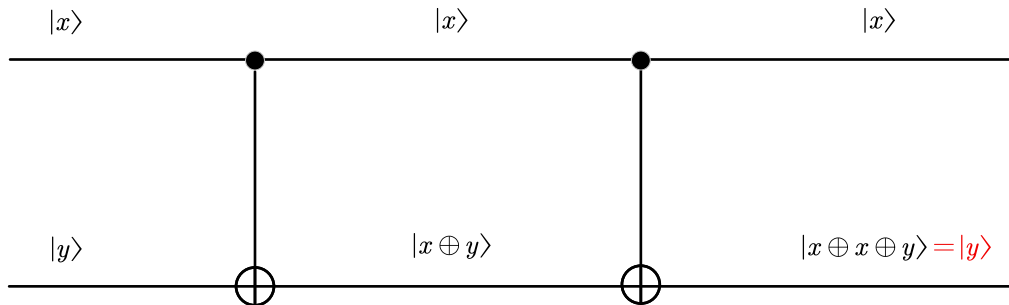


(a) Circuit of CNOT gate

$$\begin{array}{c}
 \begin{array}{cccc}
 & 00 & 01 & 10 & 11 \\
 \begin{array}{c} 00 \\ 01 \\ 10 \\ 11 \end{array} & \begin{bmatrix}
 \color{red}{1} & 0 & 0 & 0 \\
 0 & \color{red}{1} & 0 & 0 \\
 0 & 0 & 0 & \color{red}{1} \\
 0 & 0 & \color{red}{1} & 0
 \end{bmatrix}
 \end{array}
 \end{array}$$

(b) Matrix of CNOT gate



(c) Series circuit of CNOT gates