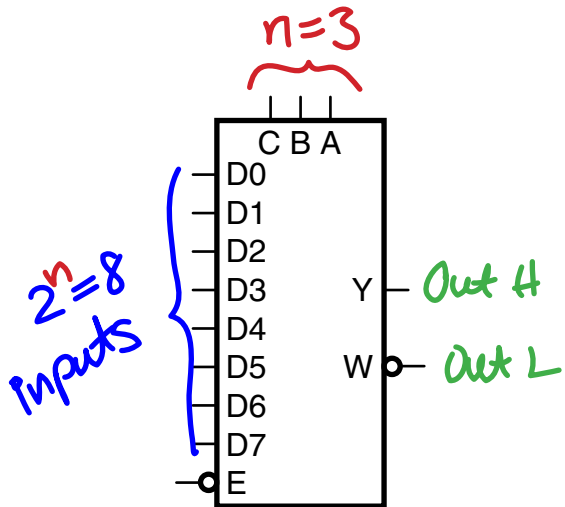
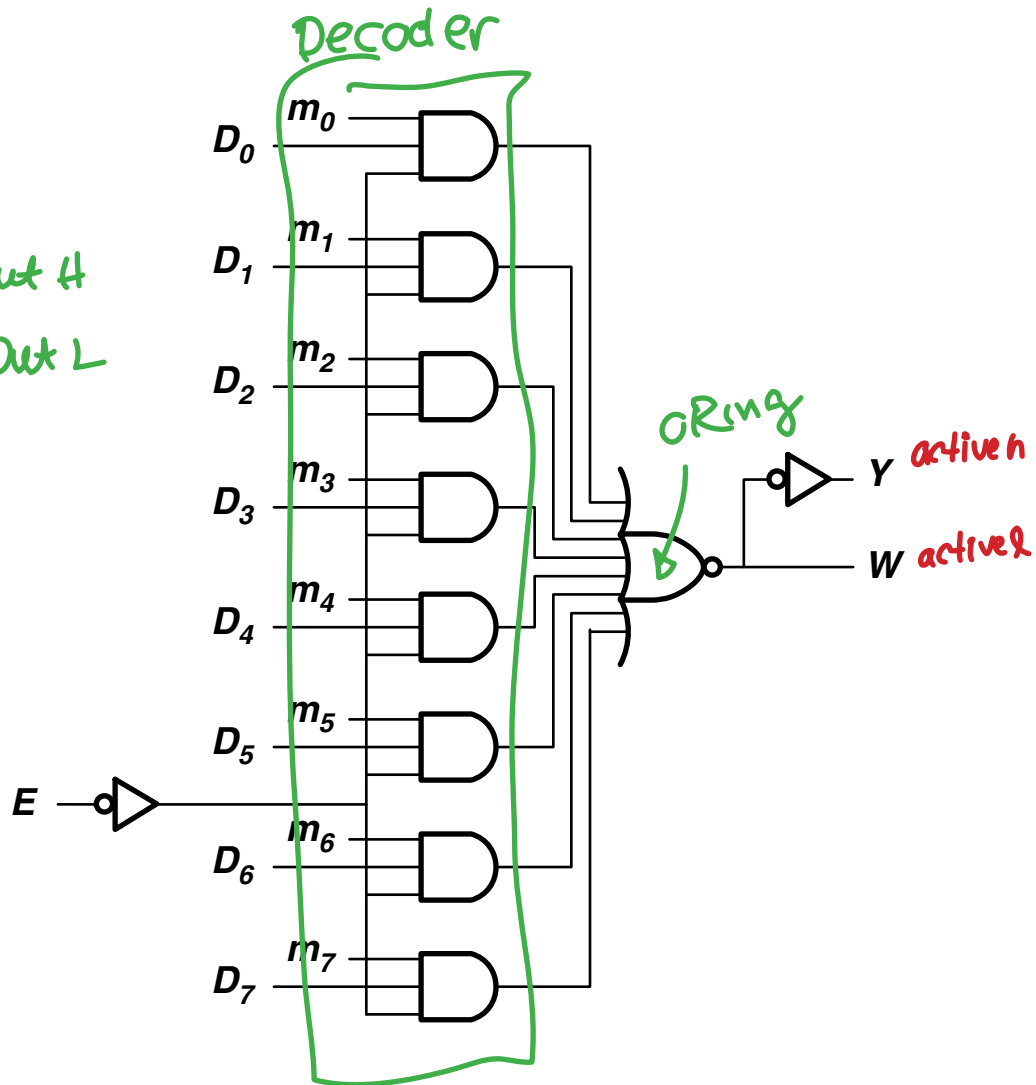
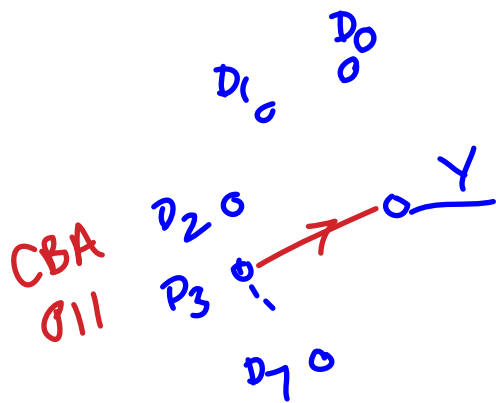


8-line to 1-line MUX:



Switch



If $E = 0$ (enabled)

$$Y = D_0 m_0 + D_1 m_1 + D_2 m_2 + \dots + D_7 m_7$$

$E = 1$ disabled

$$\begin{cases} Y = 0 \\ W = 1 \end{cases}$$