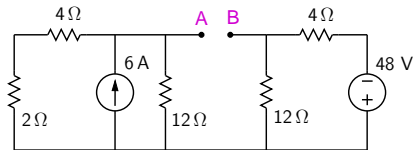
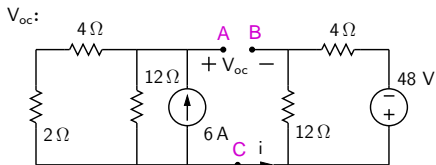
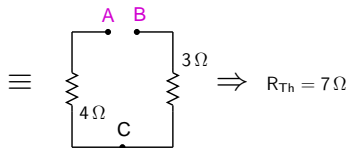
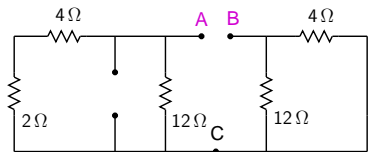


Thevenin's theorem: example



R_{Th} :



Note: $i = 0$ (since there is no return path).

$$\begin{aligned}
 V_{AB} &= V_A - V_B \\
 &= (V_A - V_C) + (V_C - V_B) \\
 &= V_{AC} + V_{CB} \\
 &= 24\text{ V} + 36\text{ V} = 60\text{ V}
 \end{aligned}$$

$$\begin{aligned}
 V_{Th} &= 60\text{ V} \\
 R_{Th} &= 7\text{ }\Omega
 \end{aligned}$$

