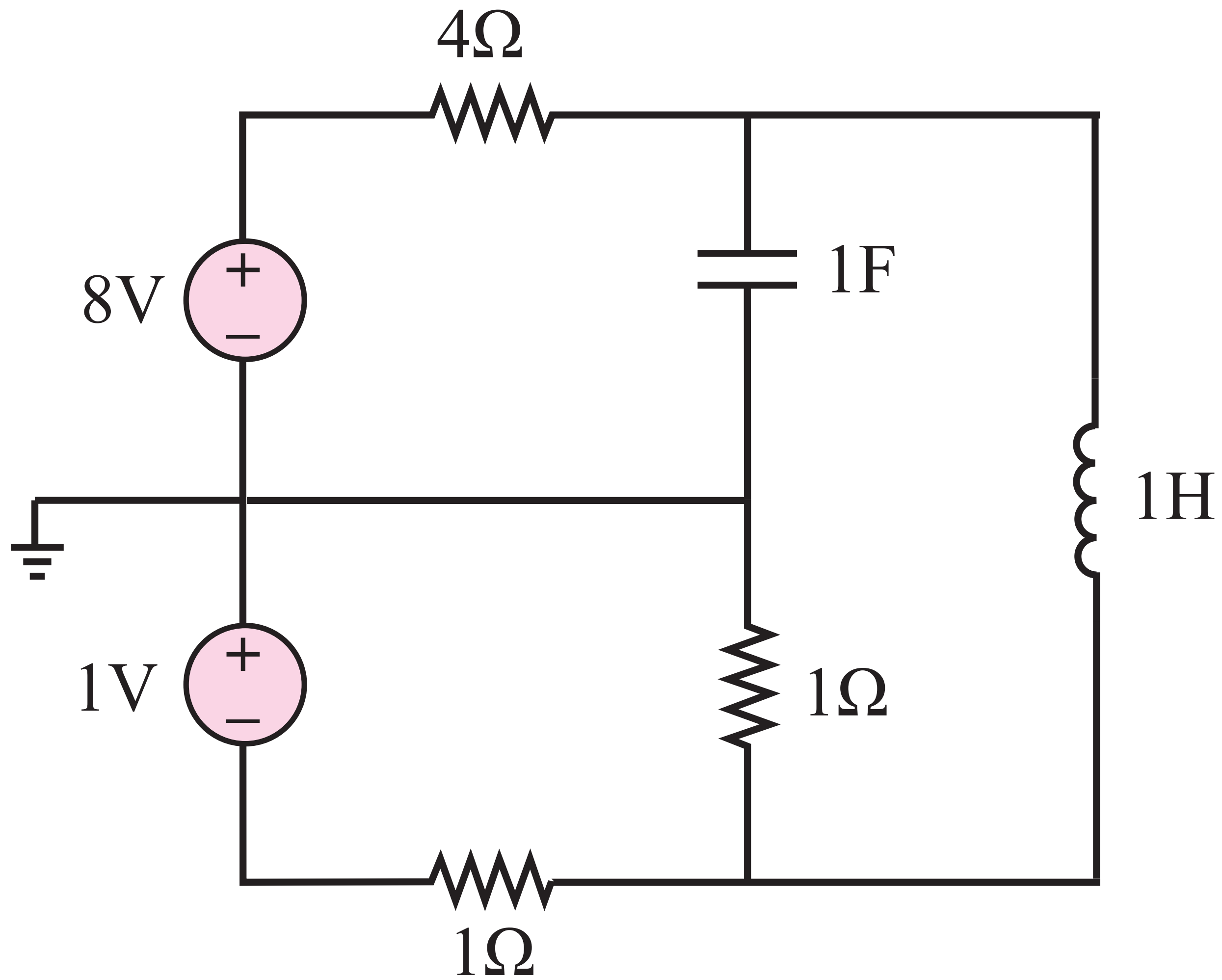
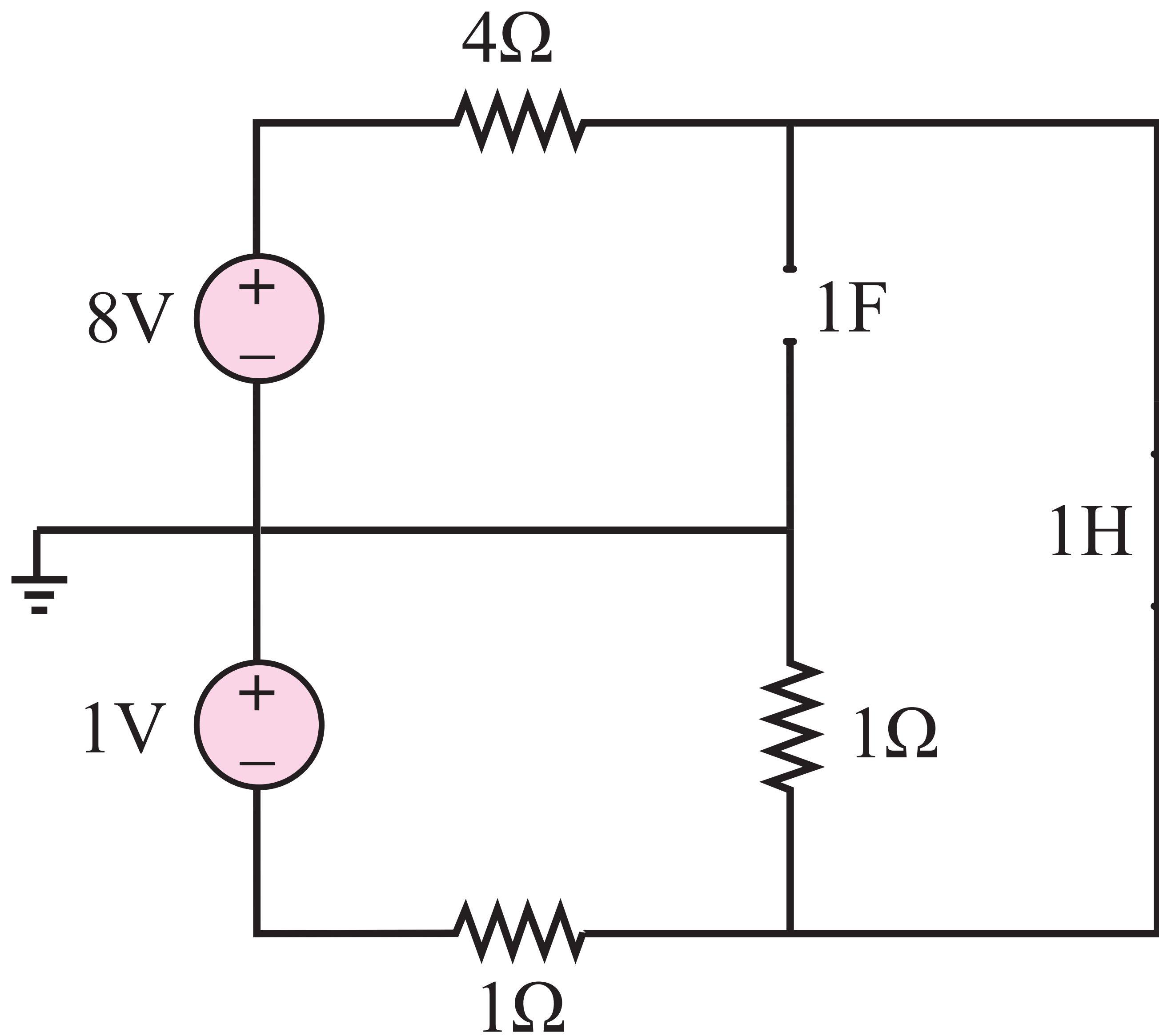
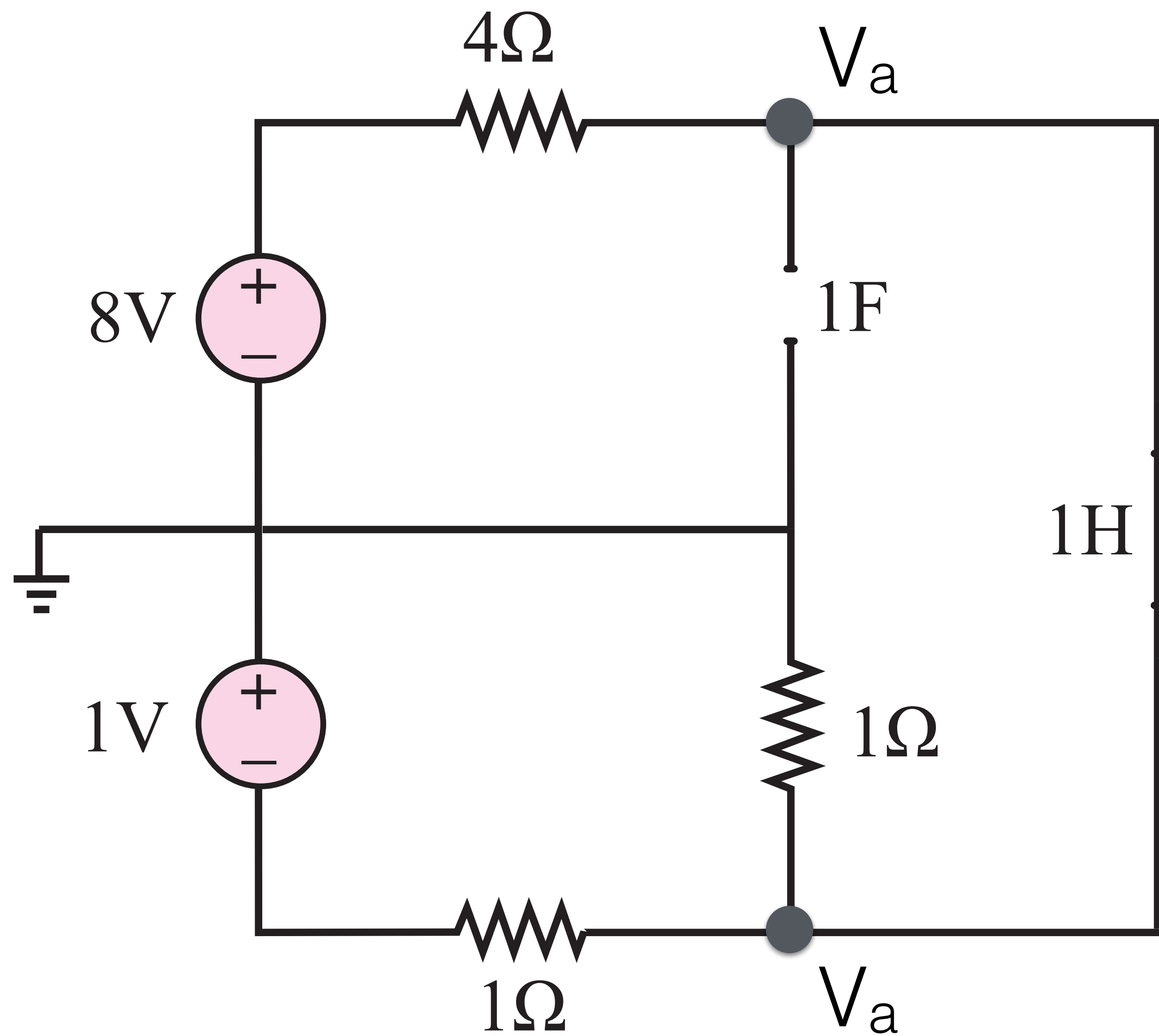


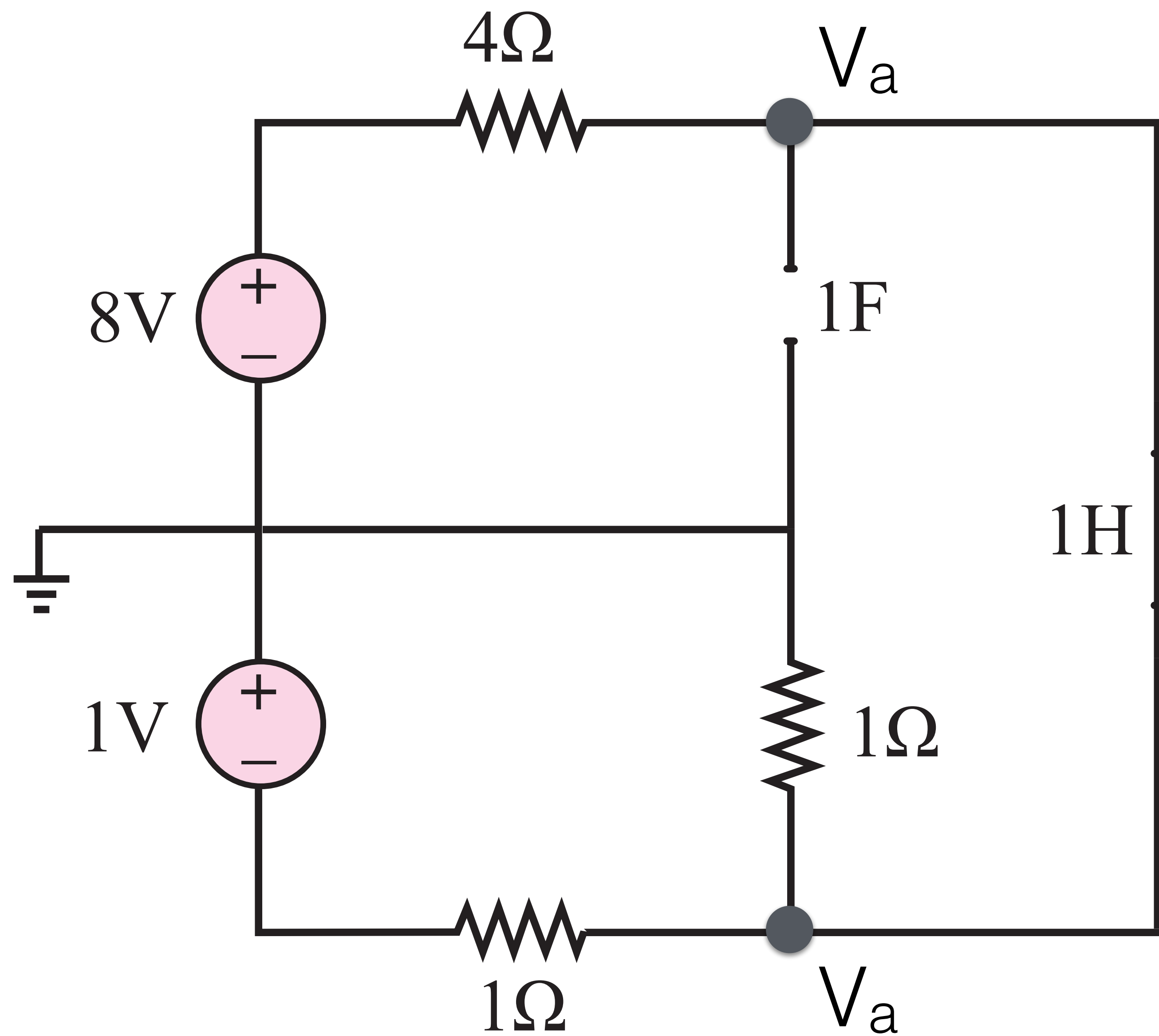
Example

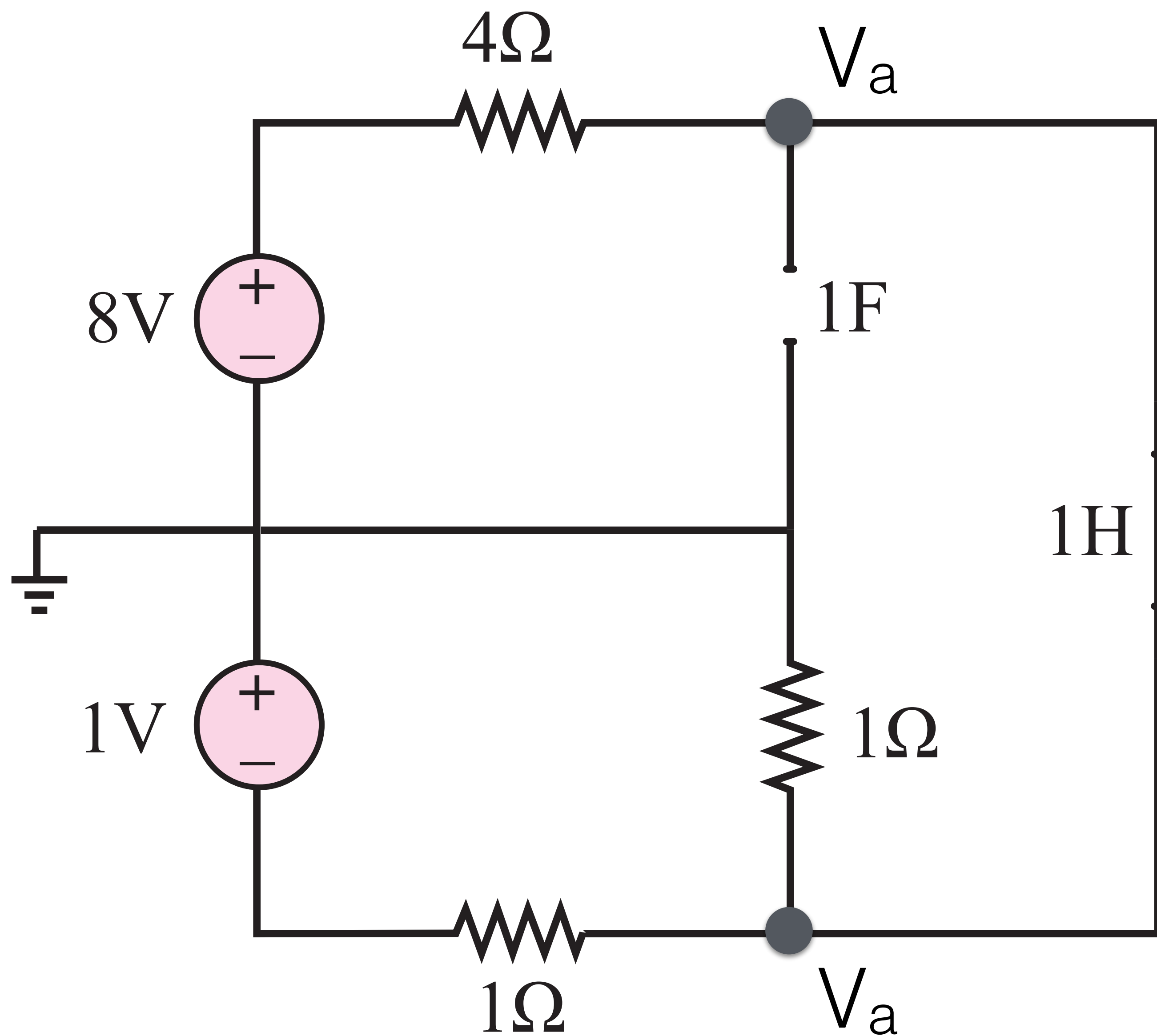
- Find the energy stored in the capacitor and inductor under steady-state conditions











$$\frac{V_a - 8}{4} + \frac{V_a}{1} + \frac{V_a + 1}{1} = 0$$

$$V_a = \frac{1}{2.25} V$$

$$V_c = V_a = 0.444 \text{ V}$$

$$I_L = \frac{8 - V_a}{4} = 1.89 \text{ A}$$

$$E_c = \frac{1}{2} C V_c^2 = 0.0986 \text{ J}$$

$$E_L = \frac{1}{2} L I_L^2 = 1.786 \text{ J}$$