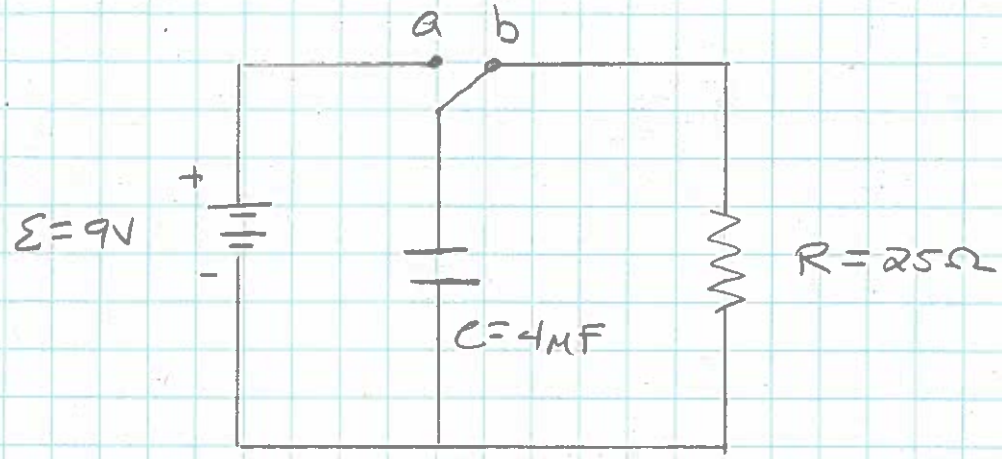

When the switch is at a, the capacitor charges to

$$\Delta V_0 = \mathcal{E} = 9V$$

a.) switch at b at $t=0$:

$$Q_0 = C\Delta V_0 = 3.6\times10^{-5}C$$

$$I_0 = \frac{\Delta V_0}{R} = 0.36A$$

b & c.) Discharging RC circuit:

$$Q = Q_0 e^{-t/\tau}$$
$$I = I_0 e^{-t/\tau}$$

where $\tau = RC = 1\times10^{-4}s = 100\,MS$

So:

$$Q(t=50\,MS) = Q_0 e^{-t/\tau} = 2.184\times10^{-5}C$$

$$I(t=50\,MS) = I_0 e^{-t/\tau} = 0.2184\,A$$

$$Q(t=200\,MS) = 4.872\times10^{-6}C$$

$$I(t=200\,MS) = 0.04872\,A$$