Christy Grace
18317501
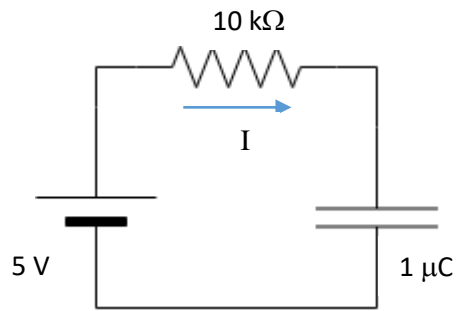
Penurunan Rumus untuk Rangkaian RC

$$I = I$$

$$C\frac{dV}{dt} = \frac{V_O - V(t)}{R}$$

$$\frac{dV}{dt} = \frac{V_O - V(t)}{RC}$$

$$\frac{V(t) - V(t - \Delta t)}{\Delta t} = \frac{V_O - V(t)}{RC}$$

$$V(t) = \frac{V(t - \Delta t) + \frac{V_O}{RC}\Delta t}{1 + \frac{\Delta t}{RC}}$$