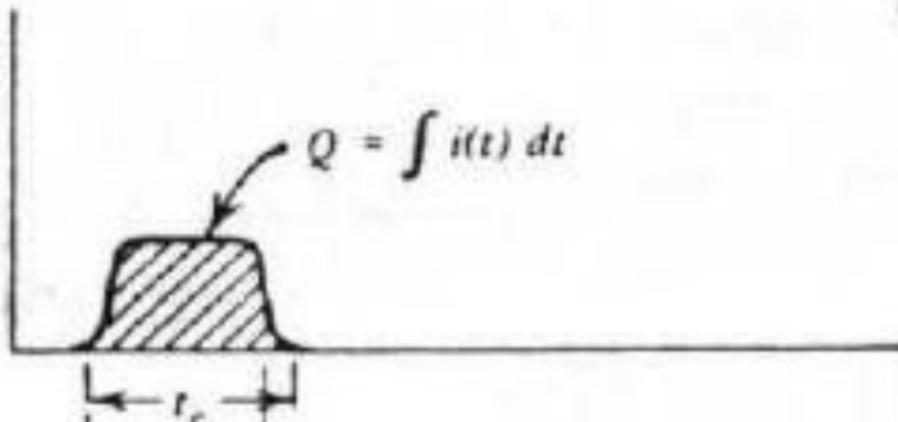


(a)

 $i(t)$ 

$$Q = \int i(t) dt$$



(b)

 $V(t)$ 

$$\text{Case 1: } RC \ll t_c$$

$$V(t) = R i(t)$$

