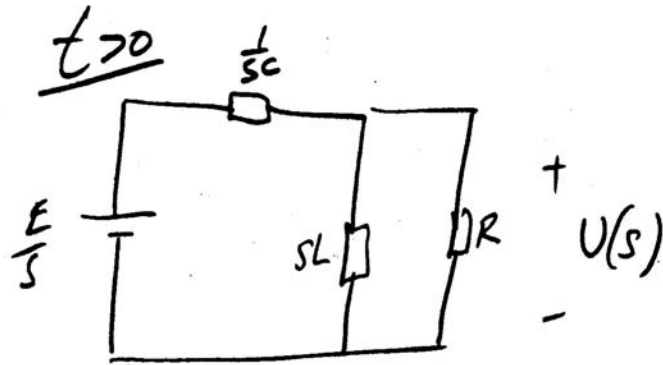


(c23)



$$U(s) = \frac{E}{s} \frac{R // sL}{R // sL + \frac{1}{sC}} = \dots$$

$$\dots = \overset{50}{\textcircled{E}} \frac{s+200-200}{(s+200)^2 + 600^2} =$$

$$= 50 \cdot \frac{s+200}{(s+200)^2 + 600^2} - 50 \cdot \frac{\frac{1}{3} \cdot \overset{600}{\textcircled{3 \cdot 200}}}{(s+200)^2 + 600^2}$$

$$u(t) = 50 \cdot e^{-200t} \left(\cos 600t - \frac{1}{3} \sin 600t \right)$$