

$$R_{\text{bat}} = 5\Omega$$

$$R_{1} = 100\Omega$$

$$R_{2} = 75\Omega$$

$$U_{\text{bat}} = 120 \text{ V}$$

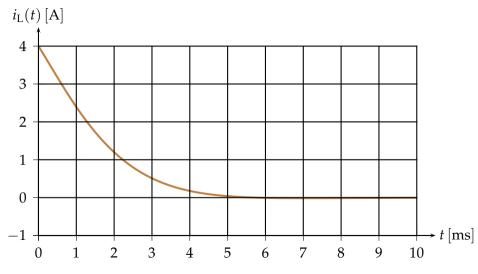
$$U_{\text{bat}} = 120 \text{ V}$$

$$R_{1} = 100\Omega$$

$$R_{2} = 75\Omega$$

$$U_{\text{c}}(t)$$

$$R_{3} = 25\Omega$$



$$t = 0 \qquad R = 500 \Omega \qquad L = 0.5 \text{ H} \quad C = 4\mu\text{F}$$

$$u_{C}(t)$$

$$u(t) = \sqrt{2} \cdot 220 \cos(100\pi t) \text{ V}$$

