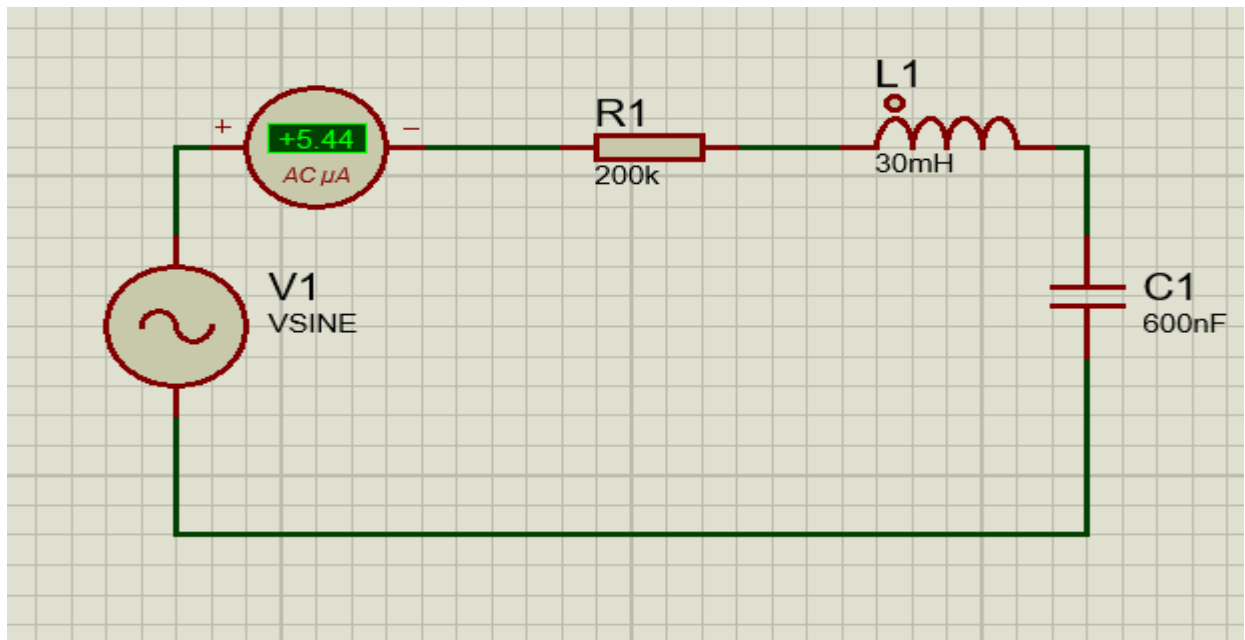


Soru 1:

1 → a → $V(t) = 5 \cdot \sin(100 \cdot 2\pi \cdot t)$

$$X_C = \frac{1}{2\pi f C} = \frac{1}{2\pi \cdot 100 \cdot 600 \cdot 10^{-9}} = \frac{10^5}{12\pi} = 2652,6 \, \Omega$$
$$X_L = 2\pi f L = 2\pi \cdot 30 \cdot 10^{-3} = 6\pi \, \Omega = 18,84$$
$$I_C = \frac{5}{R + X_L + X_C} = \frac{5}{600 + j18,84 - 2652,6}$$

b → ?



Soru2:

