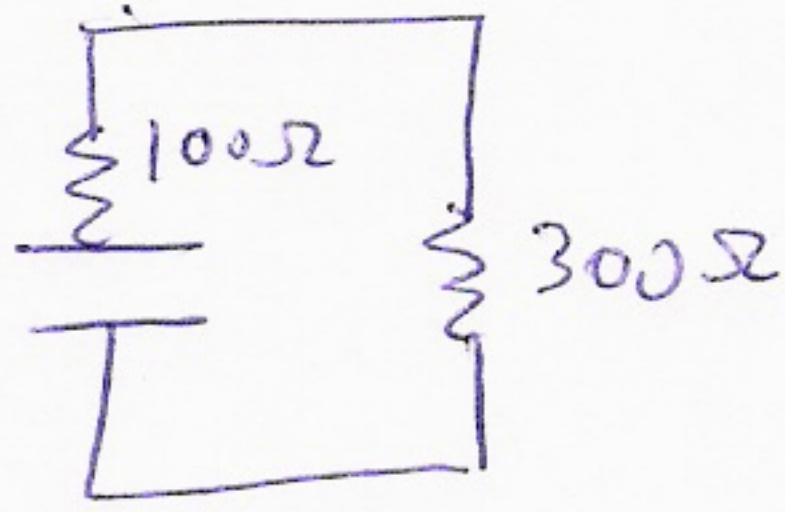


$$c) V_3 = 300 I_3 = 14,1 \text{ (V)}$$

$$U_c = \frac{1}{2} C V_3^2 = 497 \times 10^{-6} \text{ (J)} \approx 0,5 \text{ (mJ)}$$

d)



$$R_{eq} = 400 \Omega$$

$$C = 5 \mu F$$

$$\tau = R_{eq} C = 2000 \times 10^{-6} \text{ s} = 2 \text{ ms}$$