# REŠENJA ZADATAKA

2.

$$v_C(t) = V_{CC}\left(1 - e^{-\frac{t}{R_1 C_1}}\right), \text{ za } 0 < t < t_1$$
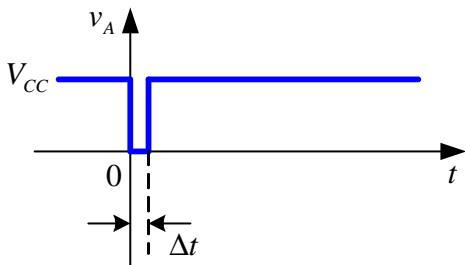
$$t_1 = R_1 C_1 \ln 3$$
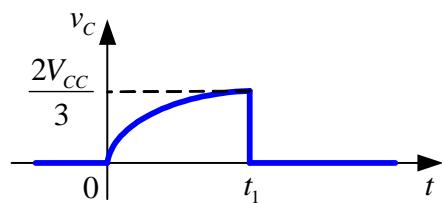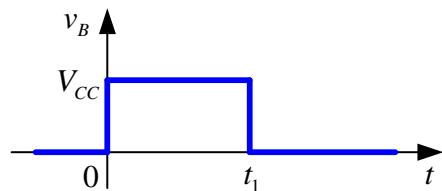
3.

$$v_Y(t) = 5\text{V} - 7{,}5\text{V} \cdot e^{-2000t}, \text{ za } 0 < t < T_1$$

$$v_Y(t) = 7{,}5\text{V} \cdot e^{-2000(t-T_1)}, \text{ za } T_1 < t < T_1 + T_2$$

$$f = \frac{1}{T_1 + T_2} = 910{,}25\text{Hz}$$

Kolokvijum traje 2,5 sata.