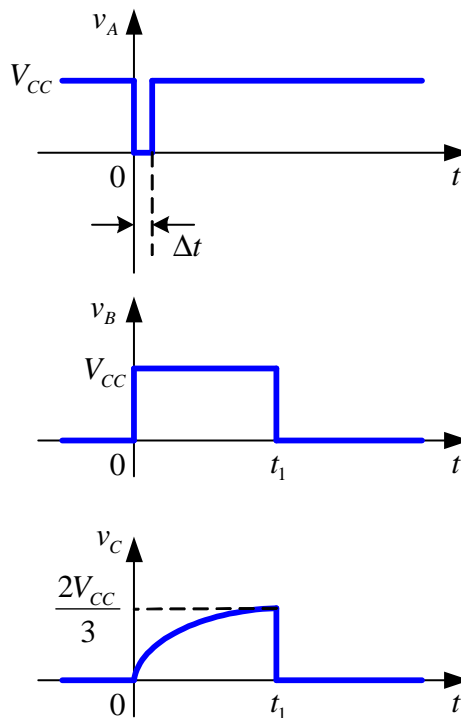


REŠENJA ZADATAKA

3.

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

$$t_1 = R_1 C_1 \ln 3$$



4. $v_x(t) = 5V - 7,5V \cdot e^{-10000t}$, za $0 < t < T_1$

$v_x(t) = 7,5V \cdot e^{-10000(t-T_1)}$, za $T_1 < t < T_1 + T_2$

$T_1 = T_2 = 109,86\mu s$

$f = \frac{1}{T_1 + T_2} = 4551,2Hz$

