

REŠENJA ZADATAKA

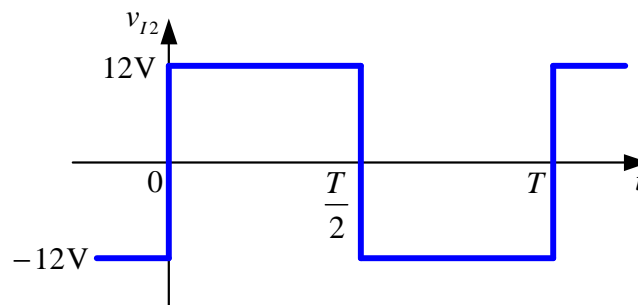
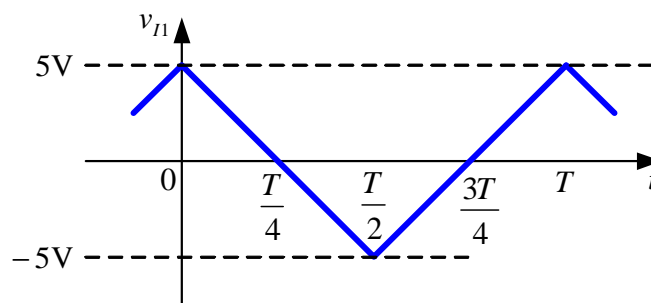
2. KOLOKVIJUM

2.

$$v_{I1} = \begin{cases} -2,4 \cdot 10^5 \cdot \left(t - \frac{T}{4}\right), & \text{za } 0 \leq t \leq \frac{T}{2} \\ 2,4 \cdot 10^5 \cdot \left(t - \frac{3T}{4}\right), & \text{za } \frac{T}{2} \leq t \leq T \end{cases}, \text{ signal se dalje periodično ponaša.}$$

$$T = 83,33\mu\text{s},$$

$$f = 12\text{kHz}.$$



3. KOLOKVIJUM

2. a) Prekidač je zatvoren za $Q_i = 0$, a otvoren za $Q_i = 1$.

b) $R_D = 10\text{k}\Omega$ $R_0 = 90\text{k}\Omega$ $R_1 = 40\text{k}\Omega$ $R_2 = 15\text{k}\Omega$ $R_3 = 2,5\text{k}\Omega$

c) $R_{bo} = 12,5\text{k}\Omega$ $V_{MAX} = 3,5\text{V}$ $V_{MIN} = -4\text{V}$