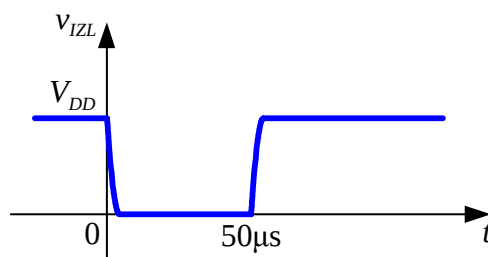


REŠENJA ZADATAKA

1. KOLOKVIJUM

2.

$$v_{IZL}(t) = \begin{cases} 5V, & t < 0 \\ 5V \cdot e^{-8,333 \cdot 10^8 \cdot t}, & 0 \leq t < 50\mu s \\ 5V \cdot (1 - e^{-8,333 \cdot 10^8 \cdot (t - 50\mu s)}), & t > 50\mu s \end{cases}$$



2. KOLOKVIJUM

2.

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

$$T = 83,33\mu s,$$

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

