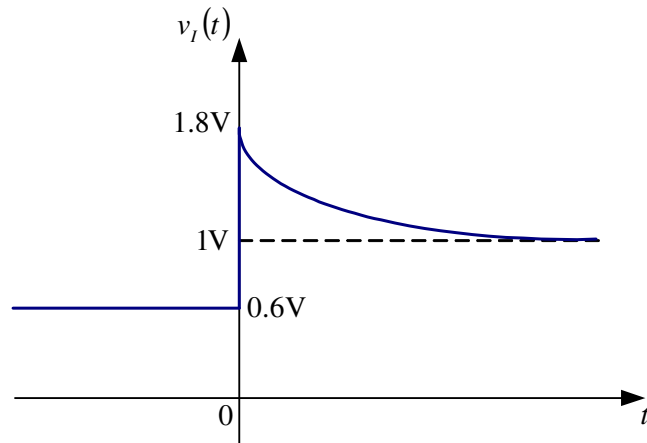


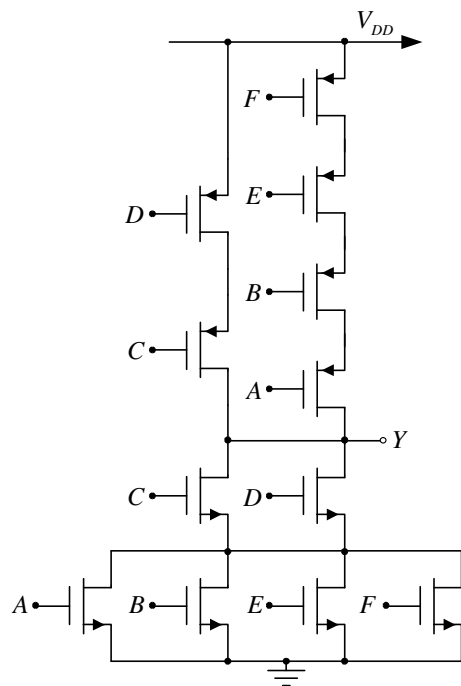
REŠENJA ZADATAKA

2.

$$v_I(t) = \begin{cases} 0.6V = \text{const}, & \text{za } t < 0 \\ 1V + 0.8V \cdot e^{-\frac{t}{6.67\mu s}}, & \text{za } t > 0 \end{cases}$$



3. a)



b)

$$\tau_{pu} = 4r_{P_ON} \cdot C_P$$

$$\tau_{pr} = 2r_{N_ON} \cdot C_P$$

Iz uslova $\tau_{pu} = \tau_{pr}$, sledi:

$$4r_{P_ON} \cdot C_P = 2r_{N_ON} \cdot C_P,$$

$$4r_{P_ON} = 2r_{N_ON},$$

$$r_{N_ON} = 2r_{P_ON} = 100\Omega.$$