

REŠENJA ZADATAKA**1.**

$$v_C[\text{V}] = 3,7\text{V} = \text{const}, \text{ za } 0 \leq v_G \leq 2,5\text{V} \text{ (D-ON, Q-DAR)}$$

$$v_C[\text{V}] = \frac{1}{3}v_G[\text{V}] + 2,87, \text{ za } 2,5\text{V} \leq v_G \leq 4,3\text{V} \text{ (D-ON, Q-OFF)}$$

$$v_C[\text{V}] = v_G[\text{V}], \text{ za } 4,3\text{V} \leq v_G \leq 5\text{V} \text{ (D-OFF, Q-OFF)}$$

4.

$$v_I[\text{V}] = 12\text{V} = \text{const}, \text{ za } -12\text{V} \leq v_G \leq -4,8\text{V} \text{ (IOP-poz. zasićenje, } D_1\text{-OFF, } D_2\text{-ON);}$$

$$v_I[\text{V}] = -2v_G[\text{V}] + 2,4, \text{ za } -4,8\text{V} \leq v_G \leq -1,2\text{V} \text{ (IOP-lin. režim, } D_1\text{-OFF, } D_2\text{-ON);}$$

$$v_I[\text{V}] = -4v_G[\text{V}], \text{ za } -1,2\text{V} \leq v_G \leq 1,2\text{V} \text{ (IOP-lin. režim, } D_1\text{-OFF, } D_2\text{-OFF);}$$

$$v_I[\text{V}] = -2v_G[\text{V}] - 2,4, \text{ za } 1,2\text{V} \leq v_G \leq 4,8\text{V} \text{ (IOP- lin. režim, } D_1\text{-ON, } D_2\text{-OFF);}$$

$$v_I[\text{V}] = -12\text{V} = \text{const}, \text{ za } 4,8\text{V} \leq v_G \leq 12\text{V} \text{ (IOP-neg. zasićenje, } D_1\text{-ON, } D_2\text{-OFF).}$$