

**REŠENJA ZADATAKA****1.**

$$i_c[\text{mA}] = 0, \text{ za } 0 \leq v_G \leq 1.2\text{V (D-OFF, Q-OFF)};$$

$$i_c[\text{mA}] = 2v_G[\text{V}] - 2.4, \text{ za } 1.2\text{V} \leq v_G \leq 3.3\text{V (D-ON, Q-DAR)};$$

$$i_c[\text{mA}] = 4.2, \text{ za } 3.3\text{V} \leq v_G \leq 5\text{V (D-ON, Q-zasićenje)};$$

**4. a)**  $I_{01} = 427,6\mu\text{A}; \quad I_{02} = 330\mu\text{A} .$

**b)**  $a = \frac{v_i}{v_u} = g_{m1} R_D g_{m2} R_P \approx 100.$

**c)**  $R_{ul} \rightarrow \infty; \quad R_{izl} = R_P = 5\text{k}\Omega .$