

REŠENJA ZADATAKA

1. a) $I_{01} = 427.6\mu\text{A}$; $I_{02} = 330\mu\text{A}$.

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

c) $R_u \rightarrow \infty$; $R_i = R_P = 5\text{k}\Omega$.

4.

$v_I[\text{V}] = -0.75i_G[\text{mA}] + 0.9$, za $-5\text{mA} \leq i_G \leq -0.4\text{mA}$ (IOP-lin. režim, D-ON, T-DAR);

$v_I[\text{V}] = -3i_G[\text{mA}]$, za $-0.4\text{mA} \leq i_G \leq 4\text{mA}$ (IOP-lin. režim, D-OFF, T-OFF);

$v_I[\text{V}] = -12\text{V} = \text{const}$, za $4\text{mA} \leq i_G \leq 5\text{mA}$ (IOP-neg. zasićenje, D-OFF, T-OFF).