

Q1. For the circuit of Fig. P1, each transistor has $|V_{ov}| = 0.2V$ and $|V_A| = 10V$ (including any current sources where each are built with a single transistor). Also $I_{D1} = 100\mu A$.

- (a) Find v_1/v_s , v_o/v_1 and v_o/v_s .
- (b) Find R_{out} .

Q2. For the circuit of Fig. P2, each transistor has $|V_{ov}| = 0.2V$ and $|V_A| = 10V$ and $I_{D1} = 100\mu A$.

- (a) Find v_1/v_s , v_o/v_1 and v_o/v_s .
- (b) Find R_{out} .

