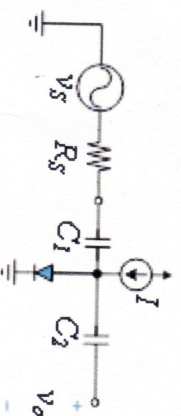


$$\begin{aligned} \frac{N_D}{N_D + N_D} &= \frac{0.1 \text{ mM}}{0.1 \text{ mM}} \quad (+) \\ \frac{N_D}{N_D + N_D} &= 0.1 \text{ mM} \quad (+) \end{aligned}$$



$$V_o = V_s \frac{V_T}{V_T + IR_s}$$