

$$\begin{array}{c} \times 1 \\ \times \frac{1}{4} \\ I_{in} = \frac{V_{DD} - V_{GS,1}}{R_M} \\ V_{GS,1} \\ \frac{1}{g_m} \\ v_s \\ v_{out} \\ Z_L \\ i_s \\ V_{DS} > V_{od} = V_{gs} - V_T \\ R_L \\ I_D \\ V_{DD} \\ + \\ V_{DS} > V_{od} = V_{gs} - V_T \\ - \end{array}$$