Special Problem 4.10-5

The inverter in the circuit below is a symmetric CMOS inverter, with the following parameters:

\[ V_{DD} = 5.0 \text{ V} \]

\[ K = \frac{1}{6} \text{ mA/V}^2 \]

\[ V_t = 2.0 \]

Using any valid simplifying approximation, determine the values for \( V_o \) and \( I \).