

Special Problem 4.10-6

A symmetric (i.e., $K_n = K_p$) CMOS inverter has $V_{tn} = 1.0$ V, $V_{tp} = -1.0$ V, and $NM = 2.5$ V.

If the input to the inverter is $v_I = V_{IL}$, what is the value of the output voltage v_O ?