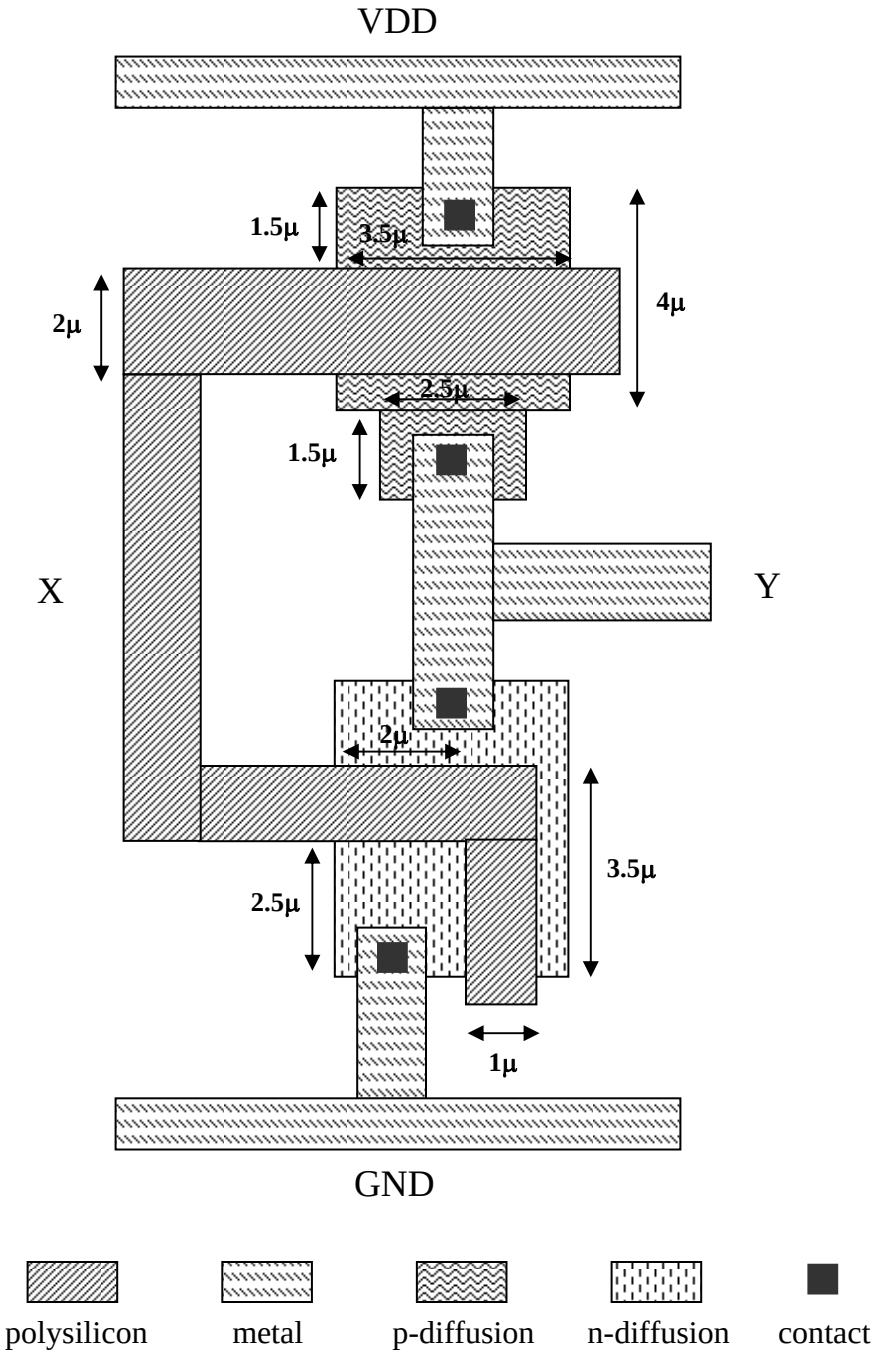
Name: **Id#**

COE 360, Principles of VLSI Design, Term 002
Scheduled Quiz# 4

Date: Sunday, May 19

Q. Given the layout of a CMOS inverter shown below, calculate the channel resistance of the n- and p-transistors. Assume that the sheet resistance of the p-channel equals to $15X10^3\ \Omega/SQ$, and that of the n-channel equals to $6X10^3\ \Omega/SQ$. Assume that the value of the resistance of a corner square is equal to 0.66 the normal square resistance.