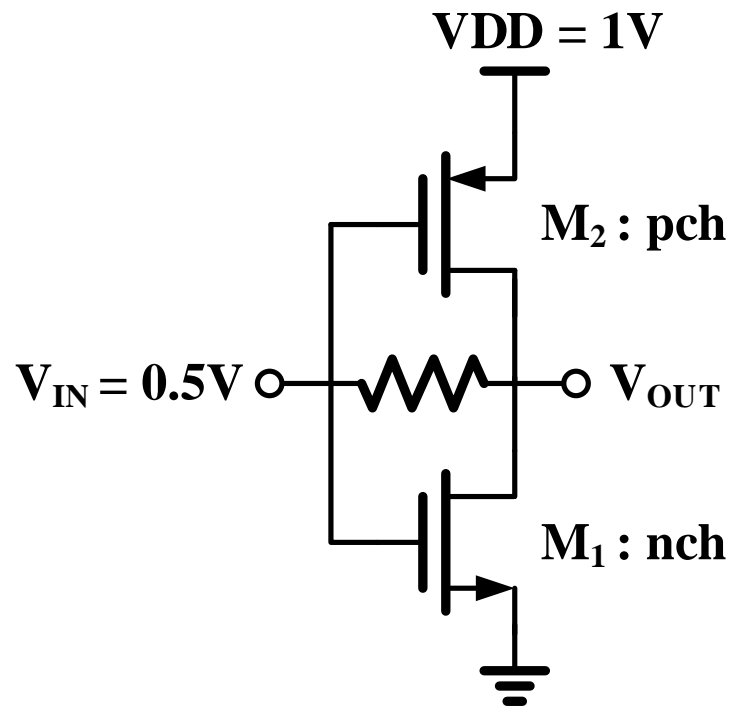


RFVLSI-Lab Summer Course HW1



There is a CMOS amplifier with resistor feedback. We hope that no current flows through the resistor. Assume $V_{DD} = 1V$, $V_{IN} = 0.5V$, $R = 1k \text{ Ohm}$, $L_1 = L_2 = 60 \text{ nm}$, please find the width of M_1 and M_2 .