Special Problem 4.10-7

1. For the MOSFETs in the circuit below, we know that:

\[ K_n = K_p = 1.25 \ \text{mA/}V^2 \]

\[ V_{tn} = V_{tp} = 1.0 \ \text{V} \]

2. The voltage across the resistor \(R\) is equal to 4.9 V.

Determine approximately (using any valid simplifying approximation) the value of resistor \(R\).

Hint: \(R \neq 3.38 \ \text{K}\)