

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: $R \neq 3.38 \text{ K}$

