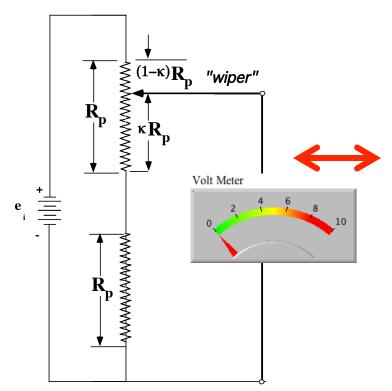
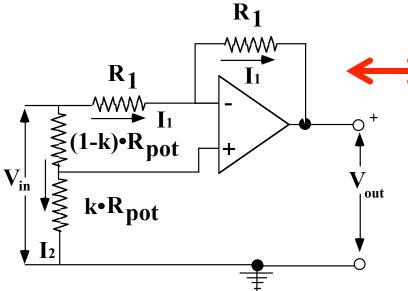
Homework Assignment 7:

Beckwith Chapter 7.7, 7. 27, 7.31



(1) **Problem 7.7 B.M.L.**

- Find Meter Voltage as a function of input voltage, and potentiometer position k
- Finite Meter resistance = R_L
- ullet Calculate Voltage across meter when R_L is infinite

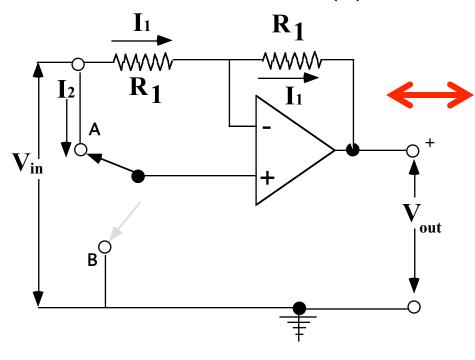


(2) Prob. 7.27

Circuit uses a potentiometer to achieve a variable gain. Find V_{out} in terms of V_{in}

Hint: First Find Voltage at "+" Op terminal in terms of V_{in} and "k"

(3) Prob. 7-31



Calculate the output of the circuit when the switch is in position A and Position B