

ECE 3 HW 6

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Because these op amps are Ideal we have that the negative node voltages are both 0 therefore we have, the current output from the 5V source is $5mA$, therefore the voltage drop across the 2k Ohm resistor is $10V$, therefore the current across the 3k Ohm resistor is $3.3333mA$, therefore voltage across the 4K ohm resistor and V_{out} is $13.3333V$