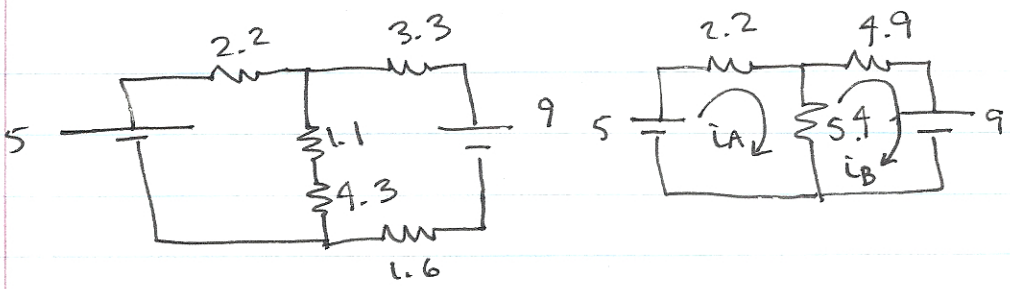
1.1+4.3 series
3.3+1.6 series




Loop A: $5 = 2.2 i_A + 5.4 (i_A - i_B)$

$-9 = 5.4 (i_B - i_A) + 4.9 i_B$

$5 = 7.6 i_A - 5.4 i_B$

$-9 = -5.4 i_A + 10.3 i_B$

$i_B = -\frac{5}{5.4} + \frac{7.6}{5.4} i_A = -.9259259 + 1.4074074$

$-9 = -5.4 i_A + 10.3(-.9259259 + 1.4074074)$

$-9 = -5.4 i_A - 9.53703677 + 14.496296$

$.5370 = 9.0962 i_A$

$i_A = .0590$ mA

goes through 2.2 kΩ resistor

$i_B = -.9259 + 1.4074(.0590)$

$i_B = -.8429$ mA

goes through 3.3+1.6-kΩ resist.

$i_A - i_B = .0590 - (-.8429) = .9019$ mA goes through 1.1 + 4.3-kΩ resistors