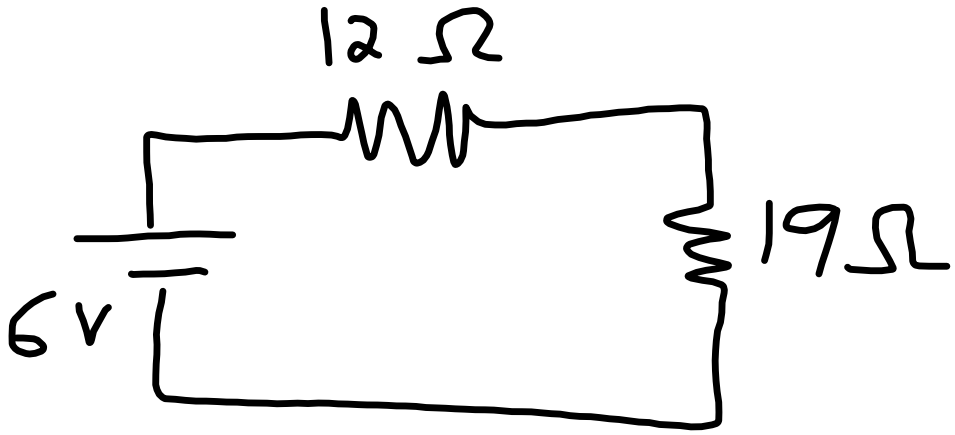
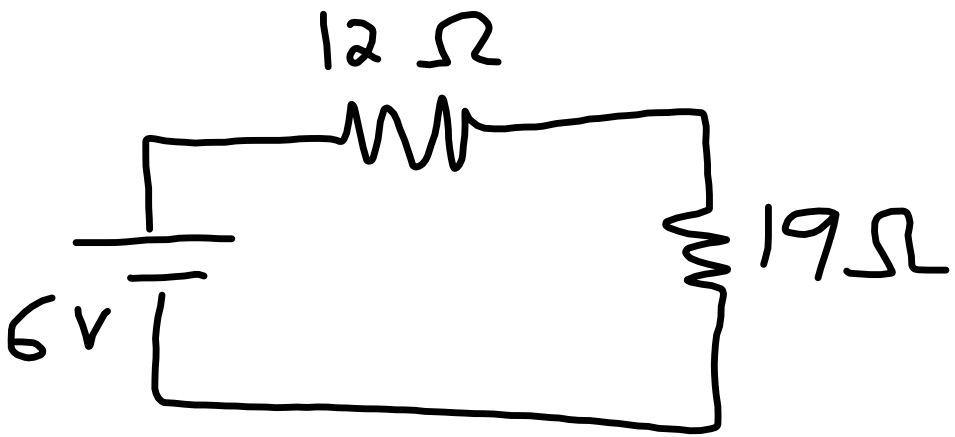


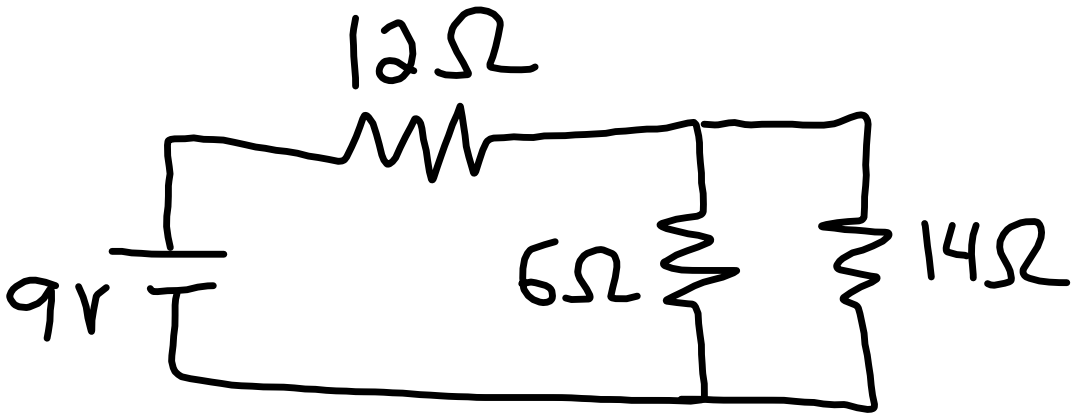
All solutions on page following circuit!

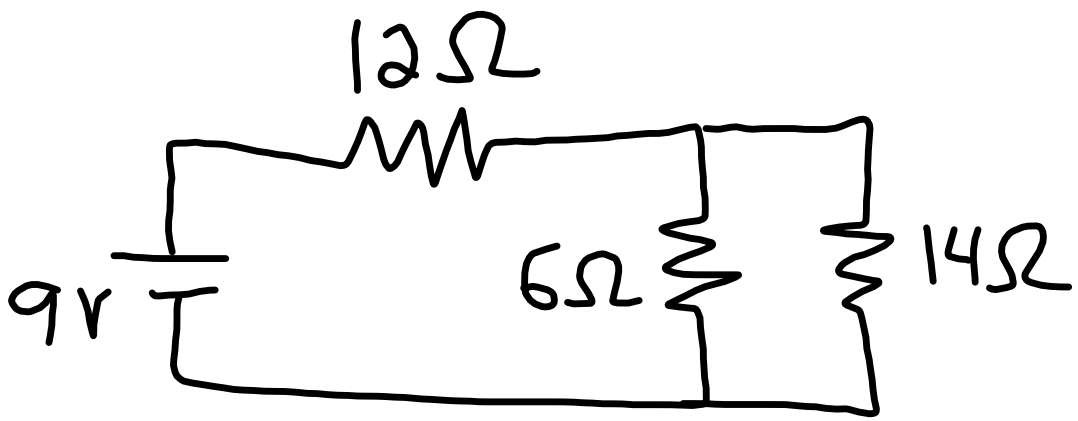


R_{tot} = 31 Ohms V_{12} = 2.28 V

I_{tot} = 0.19 A I_{19} = 0.19 A

I_{12} = 0.19 A V_{19} = 3.61 V

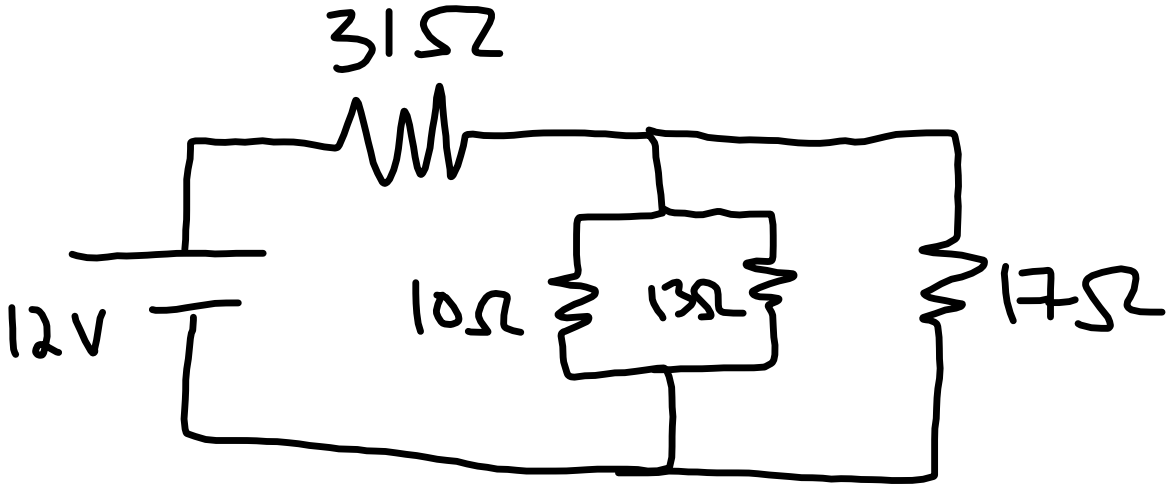

12Ω
9V
6Ω
14Ω

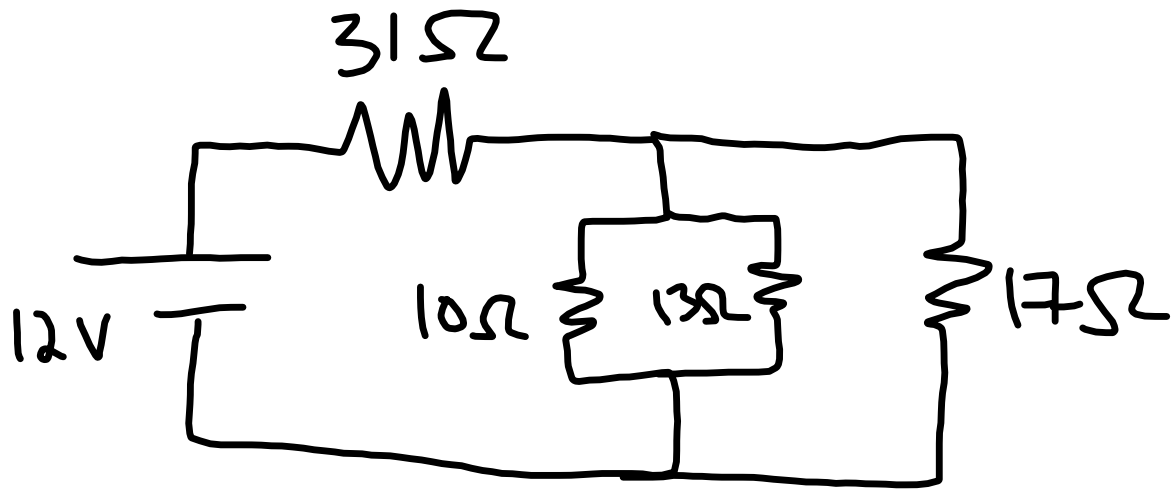


R_{tot} = 16.2 Ohms V_{12} = 6.72 V V_{14} = 2.28 V

I_{tot} = 0.56 A V_6 = 2.28 V I_{14} = 0.16 A

I_{12} = 0.56 A I_6 = 0.38 A

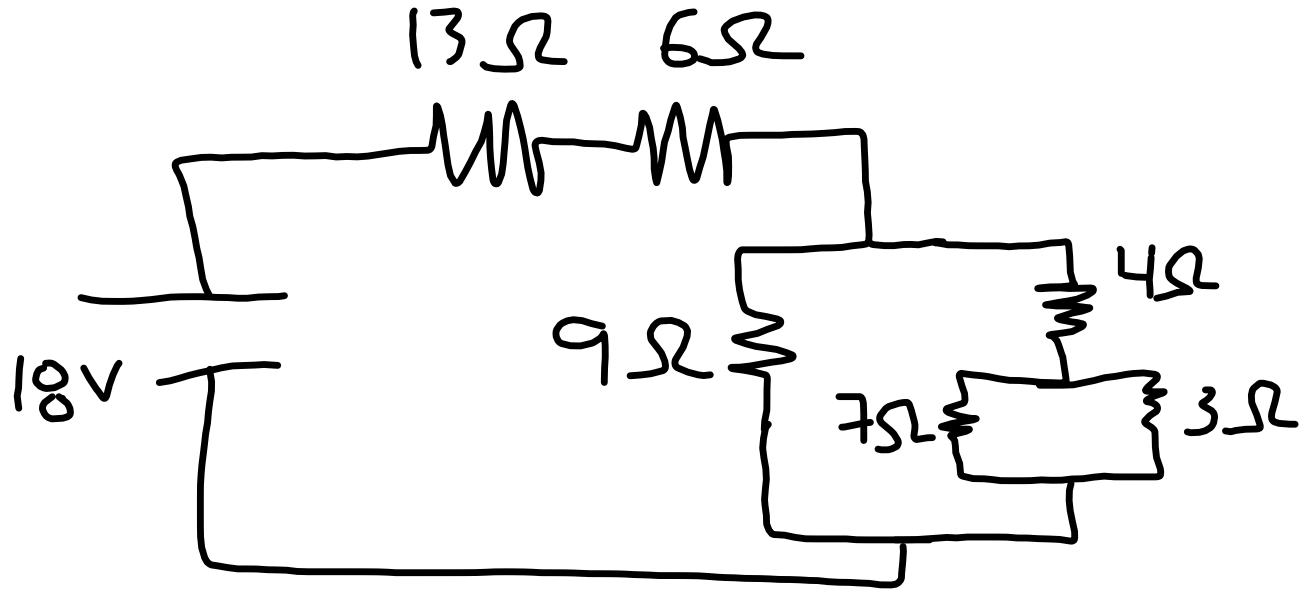

3152
12V
10Ω
13Ω
17Ω

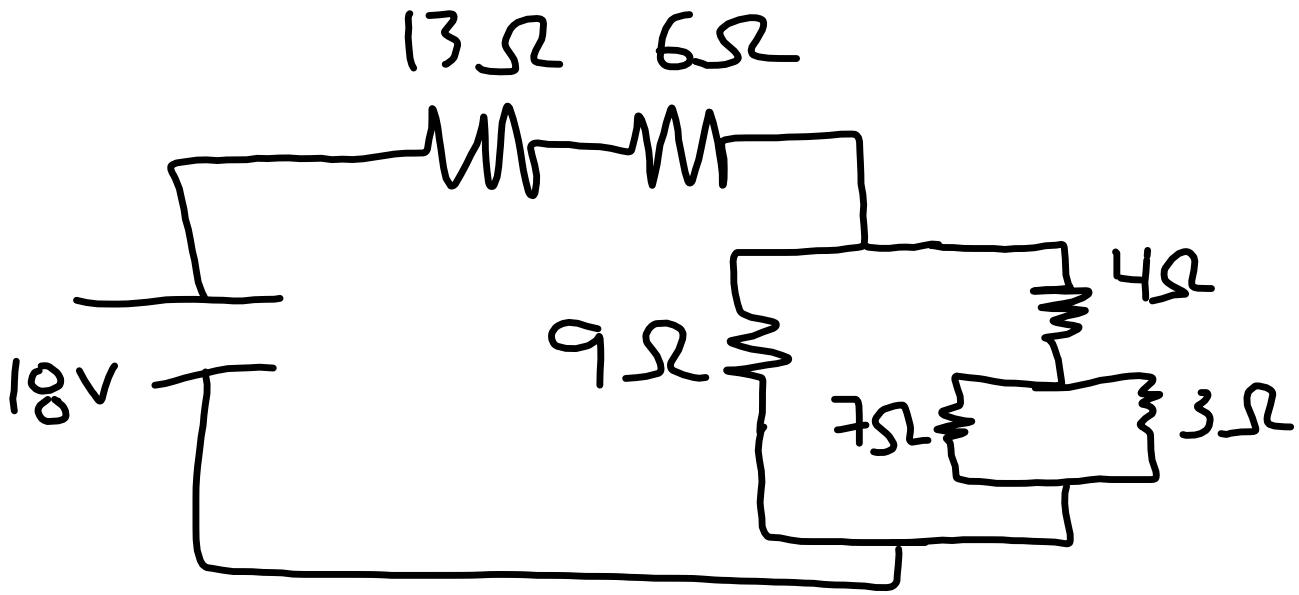


R_{tot} = 35.24 Ohms V_{31} = 10.54 V V_{13} = 1.46 V I_{17} = 0.086 A

I_{tot} = 0.34 A V_{10} = 1.46 V I_{13} = 0.112 A

I_{31} = 0.34 A I_{10} = 0.146 A V_{17} = 1.46 V


13Ω
6Ω
4Ω
9Ω
18V
7Ω
3Ω



R_{tot} = 22.64 Ohms	V_{13} = 10.34 V	V_9 = 2.89 V	$I_{4,7,3}$ = 0.47 A	V_7 = 1.01 V	I_3 = 0.34 A
I_{tot} = 0.795 A	I_6 = 0.795 A	I_9 = 0.32 A	I_4 = 0.47 A	I_7 = 0.144 A	
I_{13} = 0.795 A	V_6 = 4.77V	$V_{4,7,3}$ = 2.89 V	V_4 = 1.88 V	V_3 = 1.01 V	