Started on	Wednesday, 12 October 2016, 11:04 AM
State	Finished
Completed on	Wednesday, 12 October 2016, 11:44 AM
Time taken	39 mins 35 secs
Grade	**90.00** out of 100.00
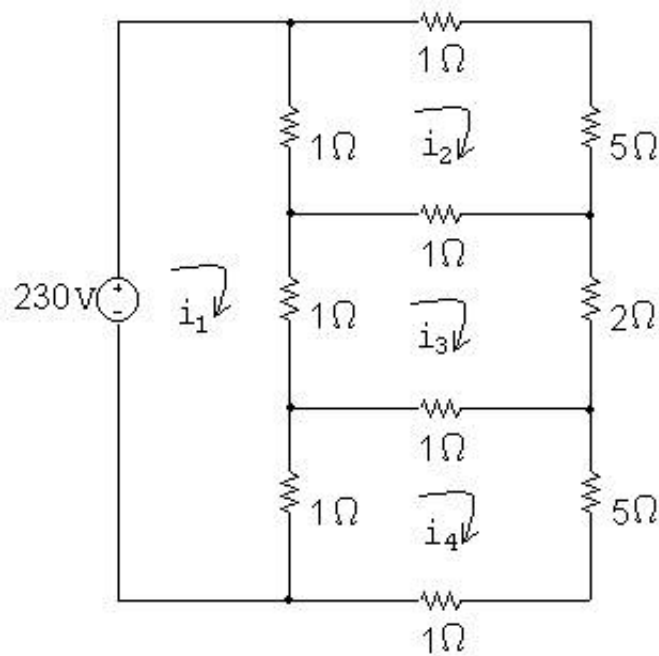
Q5c

Given: i_4 = 15 A

a) Find the three remaining mesh currents.

i_1 = | 95 | ✓ A

i_2 = | 15 | ✓ A

i_3 = | 25 | ✓ A

b) Find the power absorbed/delivered by the voltage source.

P_{230V} = | -21850 | ✓ W

"+" = absorbed   "-" = delivered

Numeric Answer

a) i_1 = 95.0 A

i_2 = 15.0 A

i_{sc} = 25.0 A

b) P_{Vf} = -21,850 W delivered