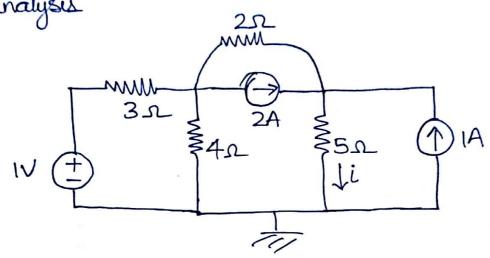
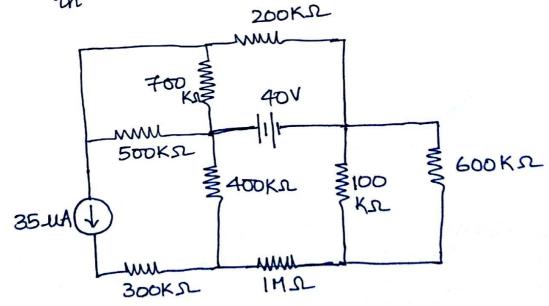
1) Determine the current I through the 552 resistor using node analysis

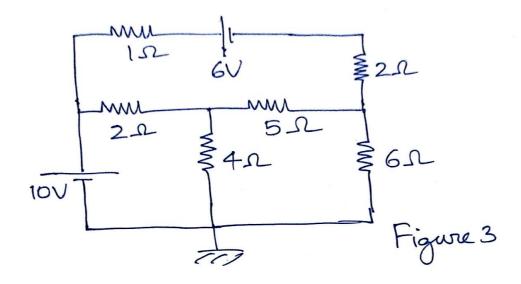


2) Find the Thevenin Equivalent circuit with respect to the 170k cooper 100 K. R. resistor. You must use Superposition to find 4th

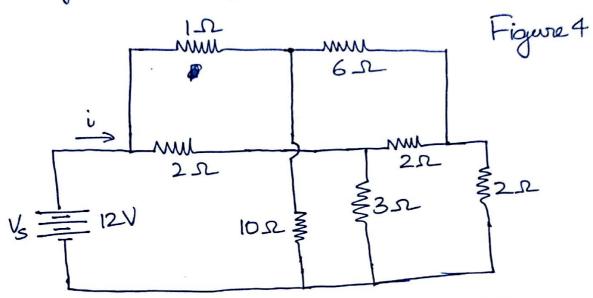


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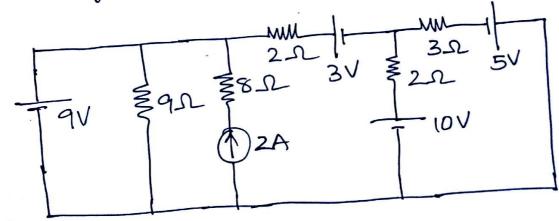
3) Find the coverent through 452 resistor using mesh analysis.



4) The nonseries-parallel circuit shown in Figure 4 is known as a twin T-network. Determine the resistance Ray = $\frac{V_S}{i}$ loading the battery.



5) In the circuit of Figure 5, findothe Therein equivalent circuit existing between the terminals of 3 st resistor.



b) Also find the power dissipated across 352.