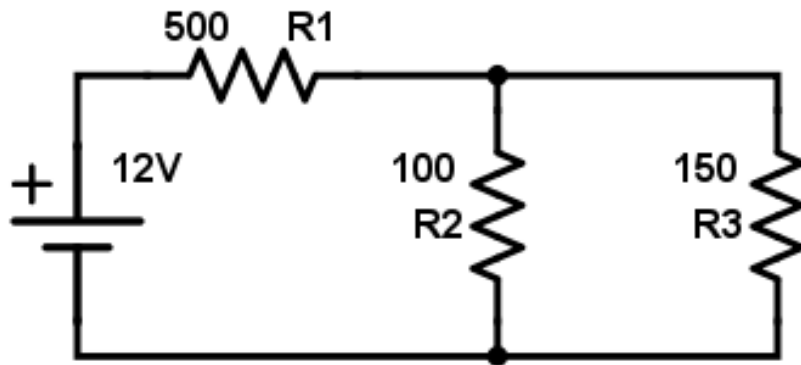


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Node Mesh

Analyze the circuit below using the node-mesh method. Be sure to;

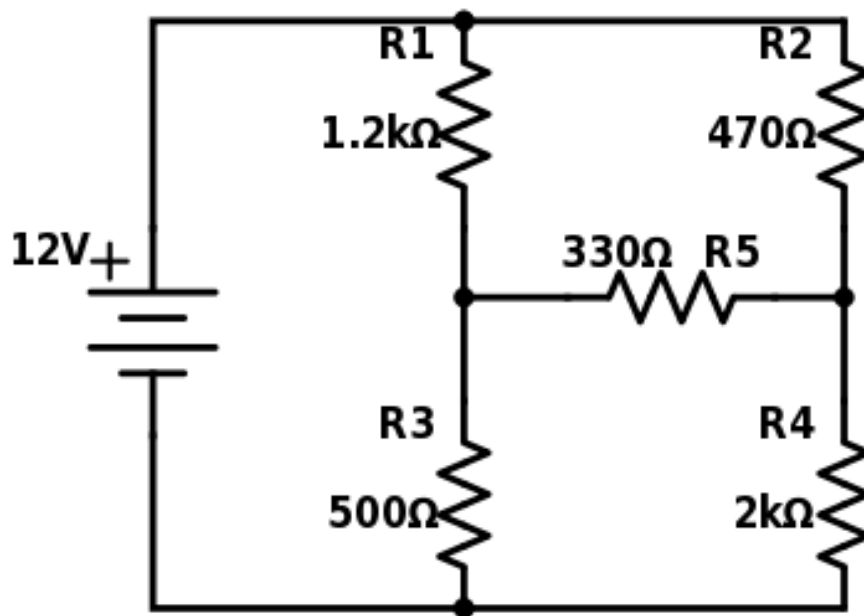
1. Label the nodes.
2. Label the meshes.
3. Write down all of the node equations.
4. Indicate which of the (# of nodes – 1) node equations you're going to use.
5. Write down all of the mesh equations.
6. Format all of your equations so that it makes it easy to fill out your matrix.
7. Write out the matrix.
8. Write the answers (currents) to the matrix equations.
9. Use your answers to calculate the voltage drops across each resistor.



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Node Mesh

Let's try this again. Be sure to follow all of the steps outlined above.



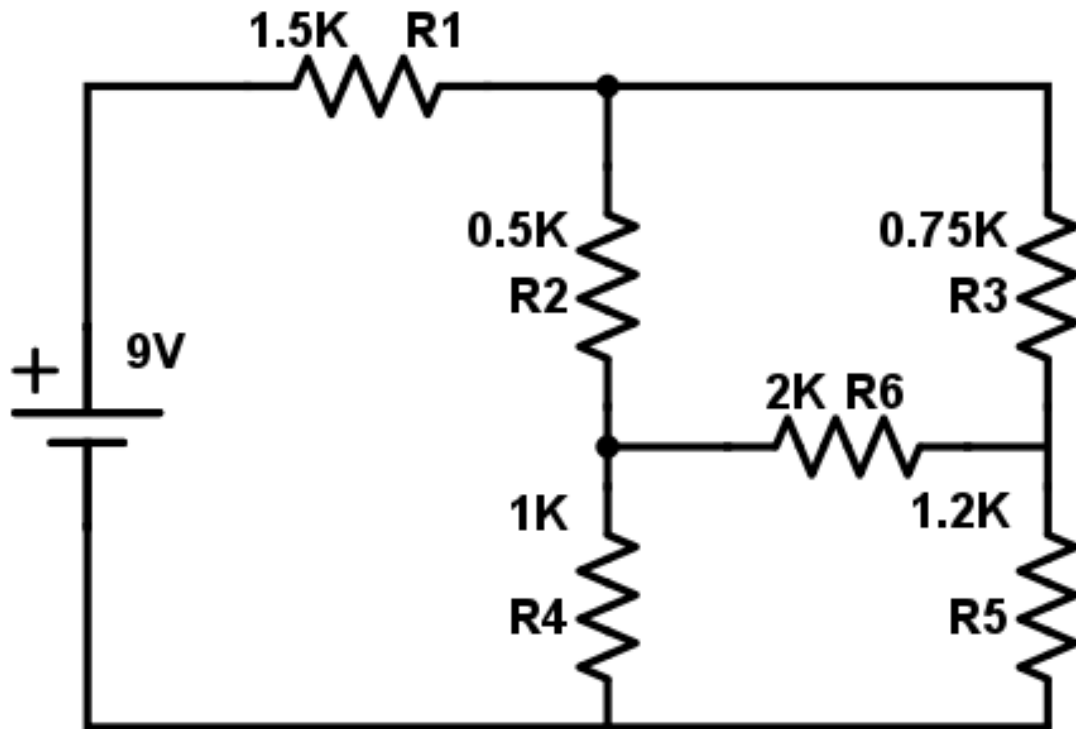
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Node Mesh

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Node Mesh

Once more.



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Node Mesh