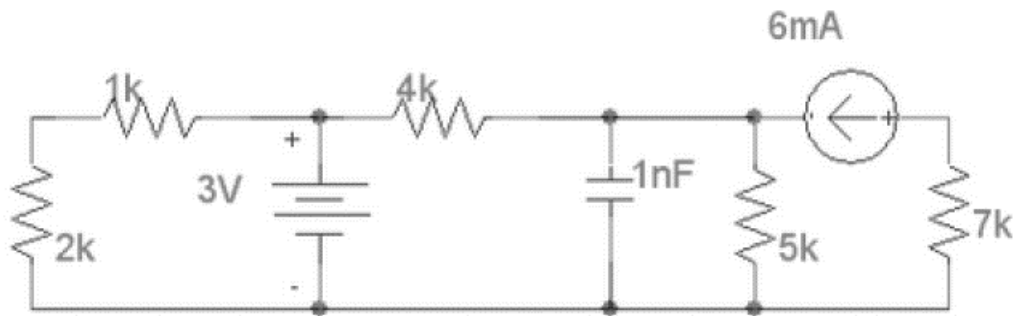


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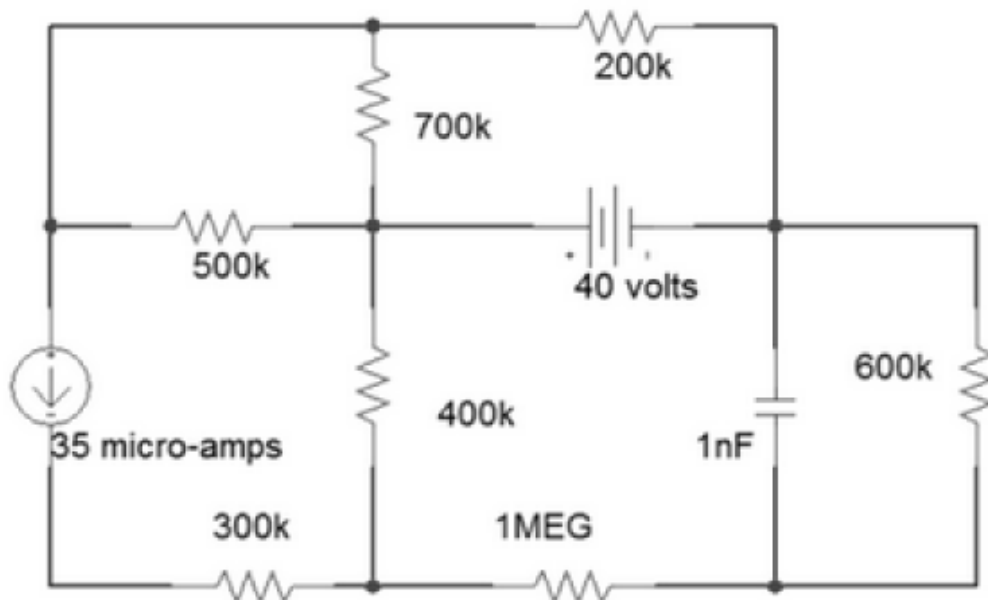
Tutorial-1

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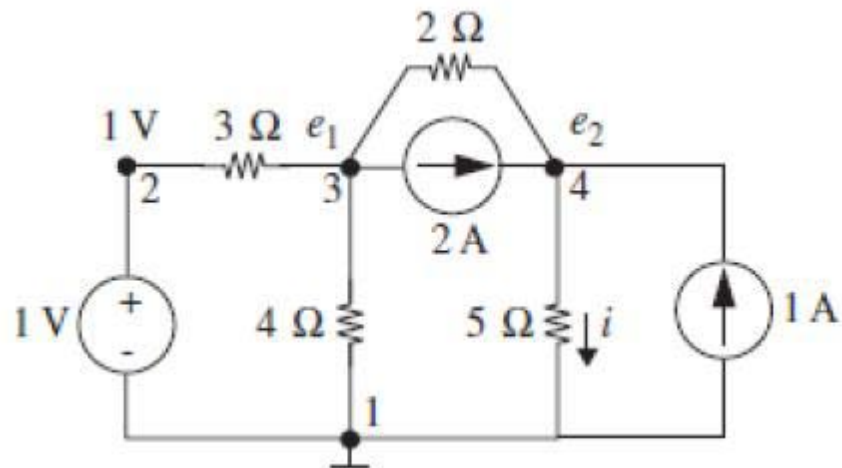
Q1: Find the Thevenin equivalent circuit with respect to the capacitor



Q2. Find the Thevenin equivalent with respect to the 1nF capacitor. You must use super-position to find V_{th} (Thevenin voltage).



Q3. Determine the current i through the 5 ohm resistor in the circuit in figure using node analysis.



Q4: Find the i) Norton- equivalent circuit and ii) Thevenin-equivalent circuit (between the points a and b) for the circuit given below.

