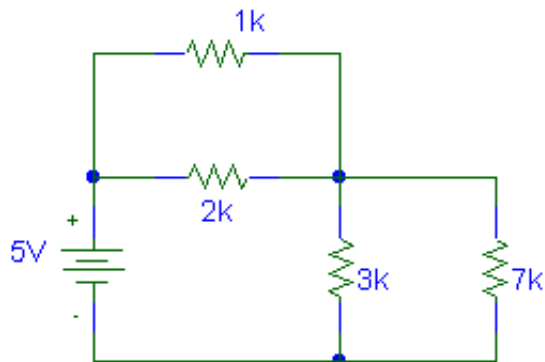



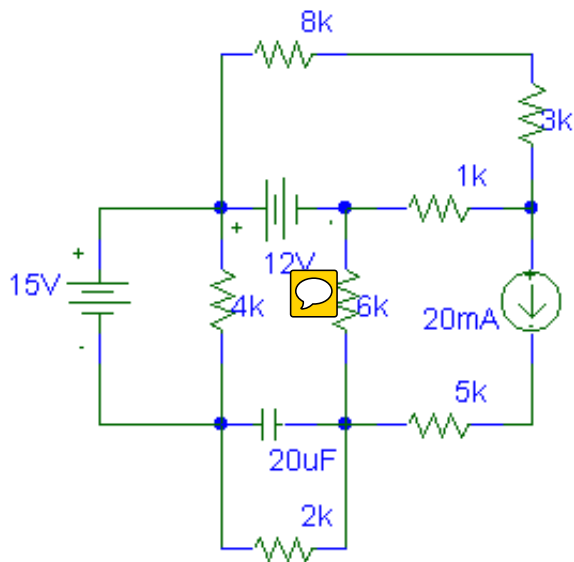
Thévenin & Norton Equivalents

[Quick Review of Theory](#)



Find the Thévenin equivalent with respect to the 7k ohm resistor.

- [Hint](#)
 - [Solution](#) 
 - [Pspice Simulation](#)
-

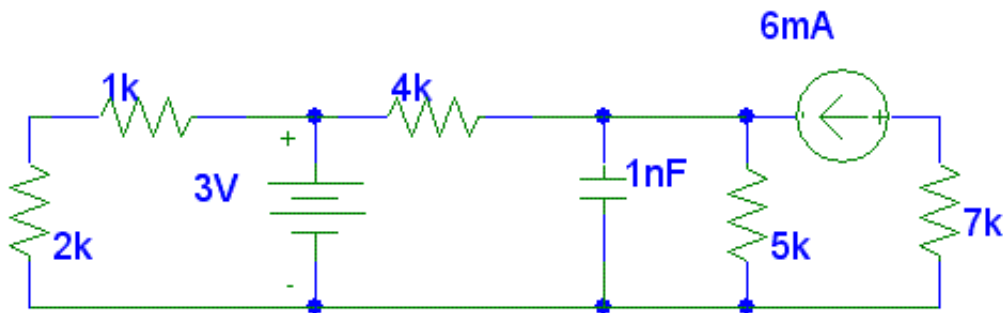
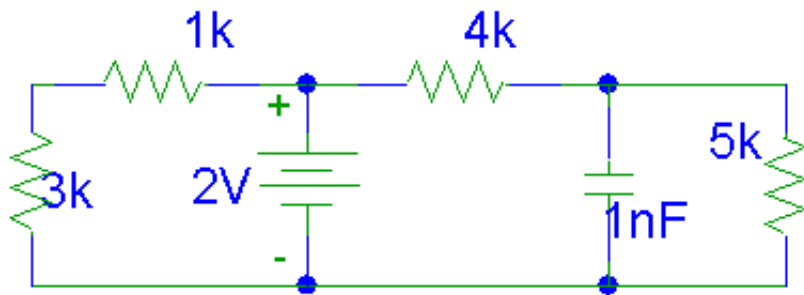


Find the Norton Equivalent with respect to the 20uF capacitor.

- [Hint](#)
 - [Solution](#)
 - [Pspice Simulation](#)
-

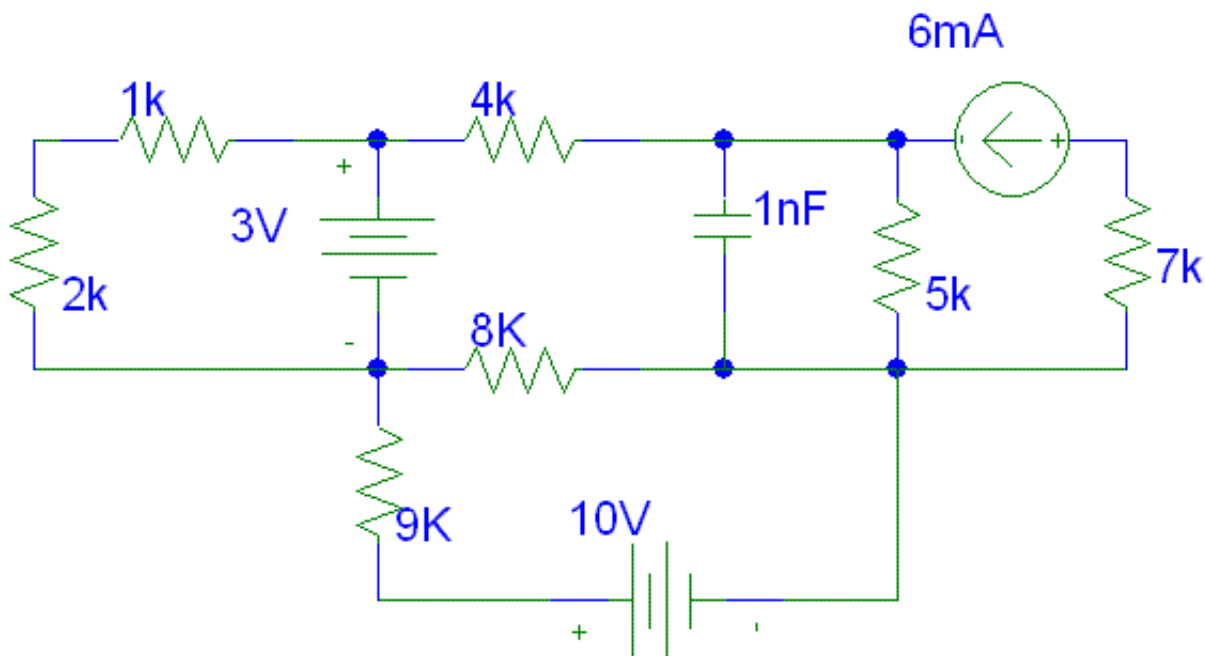
Find the Thévenin equivalent with respect to the capacitor in the circuit shown. Then replace the capacitor with a resistor chosen for maximum power transfer. What is the value of the resistor? What is the power absorbed by this resistor?

- [Solution](#)



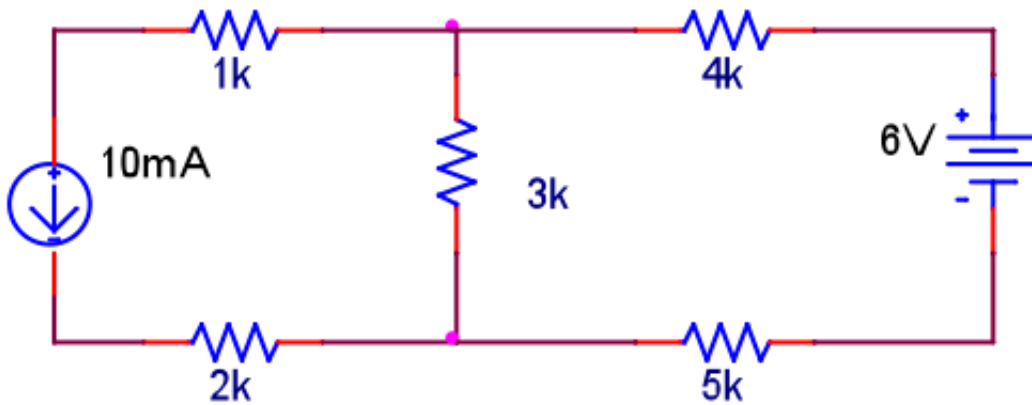
Find the Thévenin equivalent circuit with respect to the capacitor.

- [Solution](#)



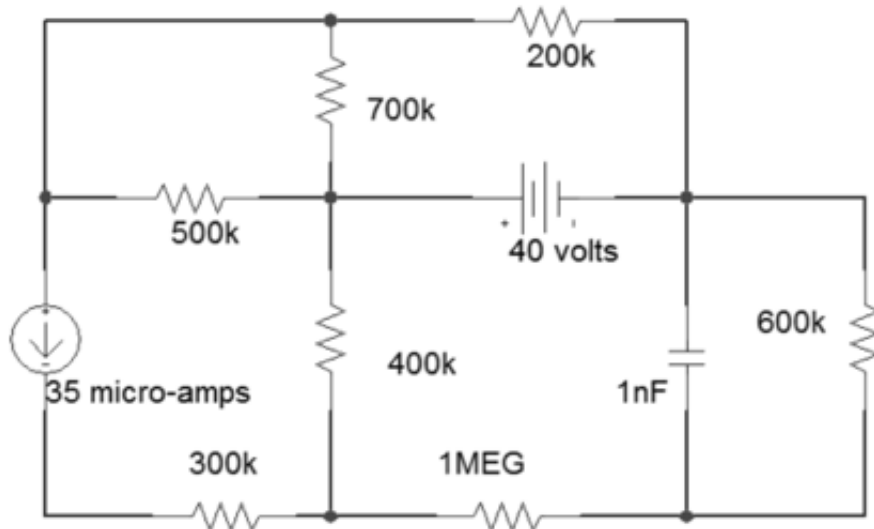
Find the Thévenin equivalent circuit with respect to the capacitor. You must use superposition to find V_{th} .

- [Solution](#)



Find the Norton Equivalent with respect to the 3 Kohm resistor in the middle of the circuit, i.e., the 3 Kohm resistor itself should not be part of the equivalent that you compute.

- [Solution](#)



Find the Thévenin equivalent with respect to the 1nF capacitor. You must use super-position to find V_{th} , the Thévenin voltage.

- [Solution](#) 

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