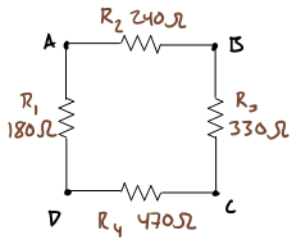
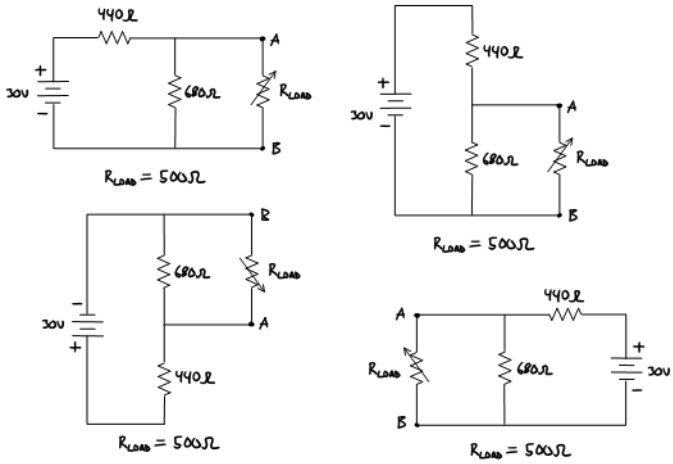
DC Thevenin's Theorem

Determine R_{AD}, R_{BC}, and R_{BD}.



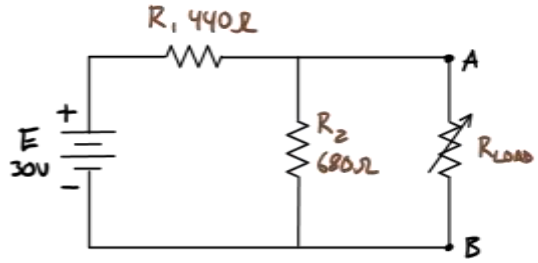
Determine the voltage across the voltage across, current through, and power dissipated by variable load resistor R_{LOAD} when R_{LOAD} is set to 500Ω.



Determine the voltage across the voltage across, current through, and power dissipated by variable load resistor R_{LOAD} in the above circuits when R_{LOAD} is set to 200Ω, 800Ω, 880Ω, 8.8Ω, 88Ω, and 8.8kΩ.

Illustrate a Thevenin's Equivalent circuit and describe the steps necessary to calculate E_{TH} and R_{TH}.

Determine the Thevenin's equivalent circuit seen by variable load resistor R_{LOAD}.



Identify how to experimentally determine E_{TH} and R_{TH} using real world components and instrumentation.

Identify advantages of Thevenin's Theorem.