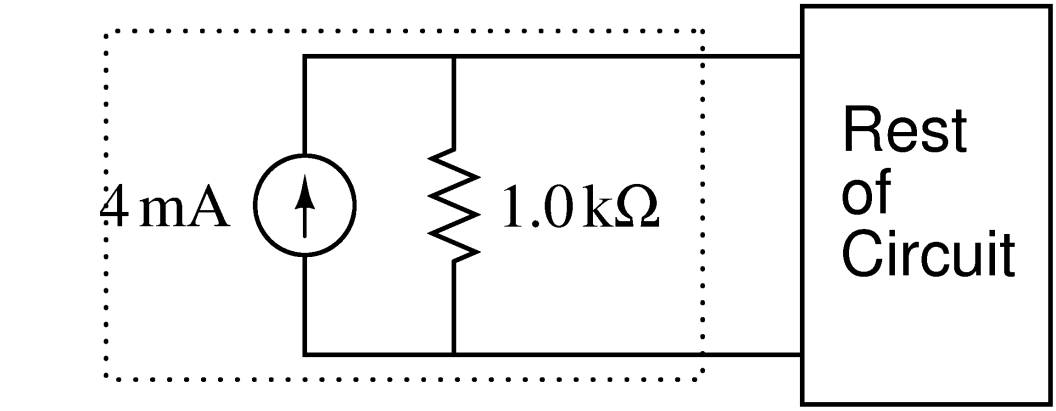

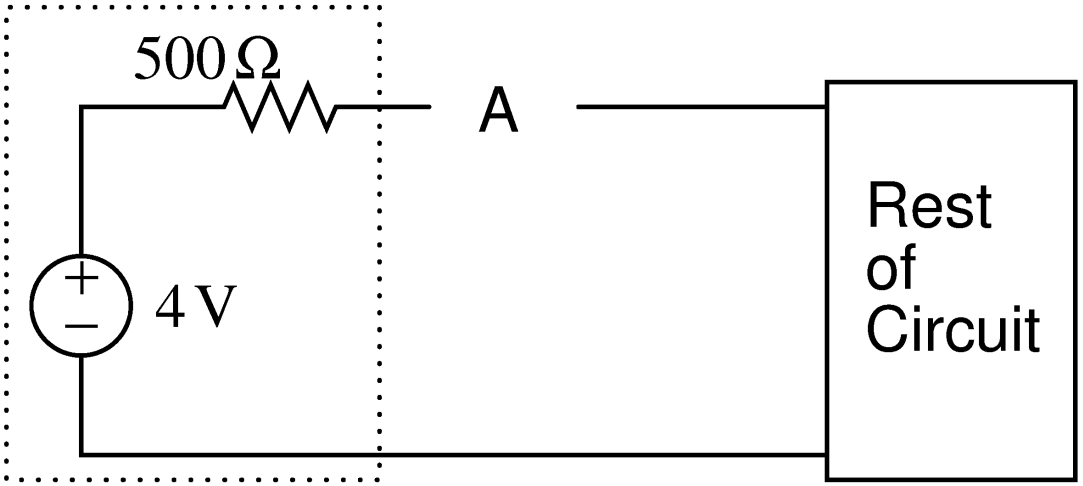

You work for a company that uses a current source to power a circuit like the one shown in the first figure above. Some inventive engineer discovered that another distributor manufactures a voltage source with an internal resistance of 500Ω for sale at a lower price than the current source. The rest of the circuit is equivalent to a 2.3kΩ resistor. You were assigned with the job of making this voltage source work with the circuit in the same way as the current source did. How would you redesign the second circuit to do the job? Will the voltage source work?