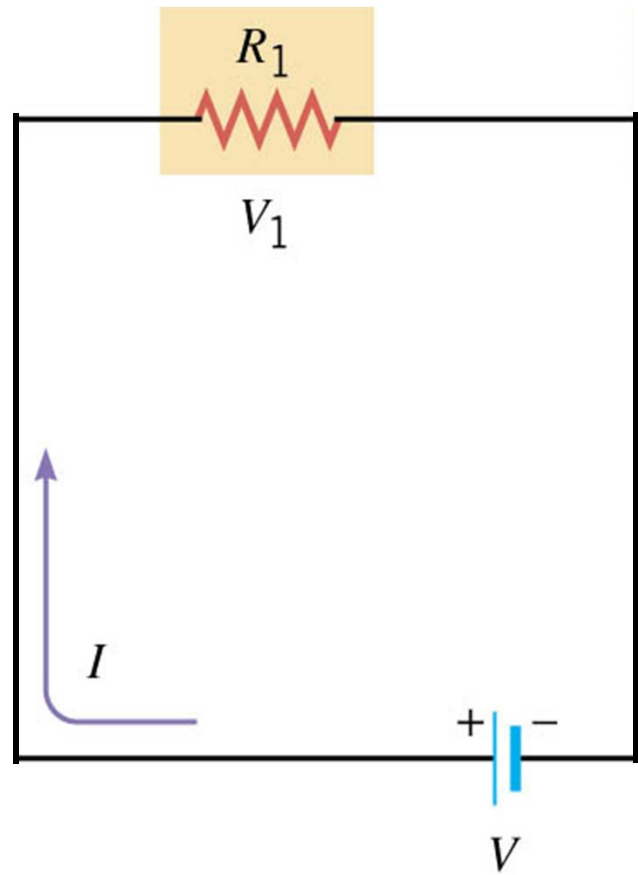
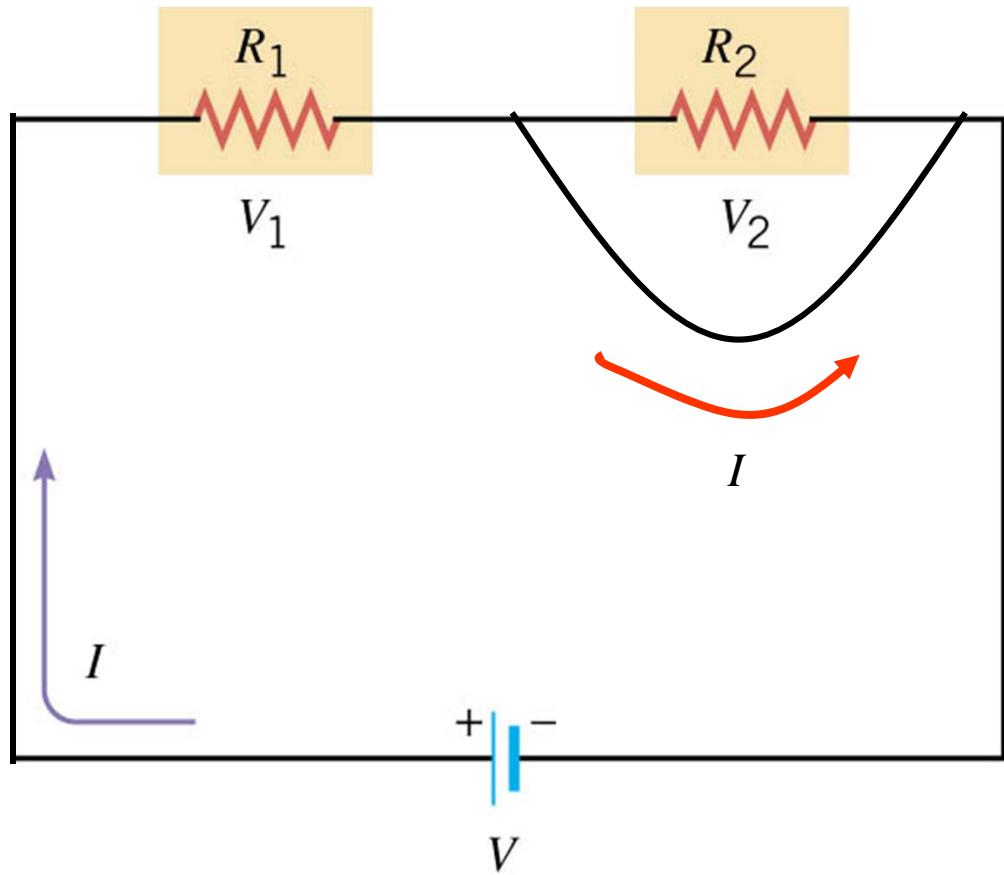


$$I_2 = 0, V_2 = 0$$



A resistor(s) in a branch is shorted if you can go from one node/junction on one side to the other side by a route that has no resistors or batteries.