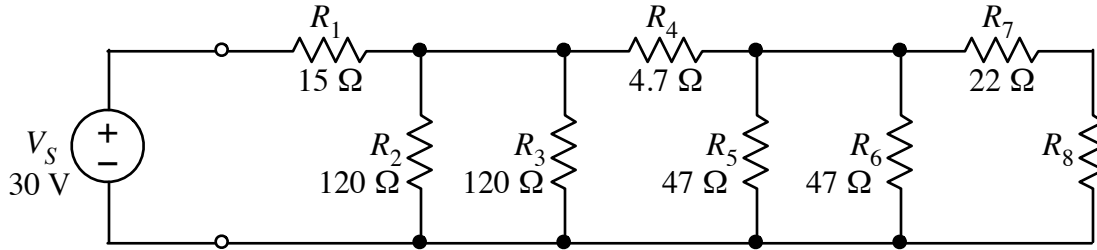
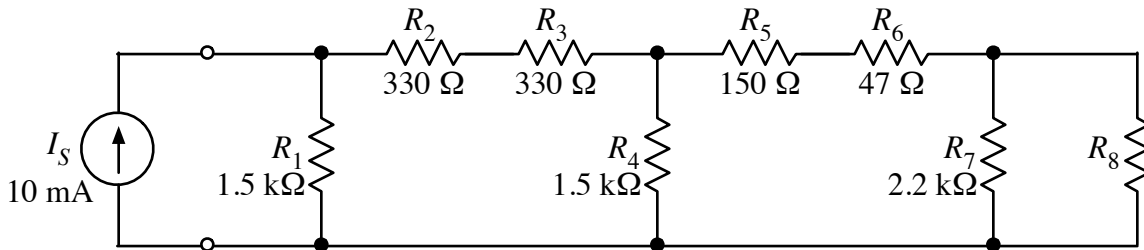


- a. In the circuit below, determine the value of  $R_8$  so that the total power being delivered by the voltage source is 30 W.



$R_8 =$  \_\_\_\_\_

- b. In the circuit below, determine the value of  $R_8$  so that the total power being delivered by the voltage source is 68 mW.



$R_8 =$  \_\_\_\_\_