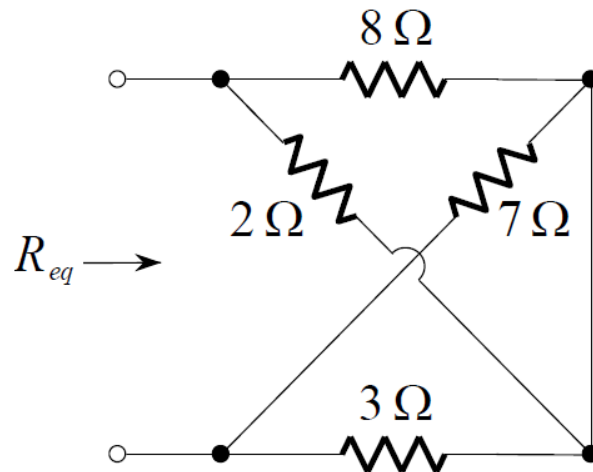


Tutorial 2 Basic circuit laws

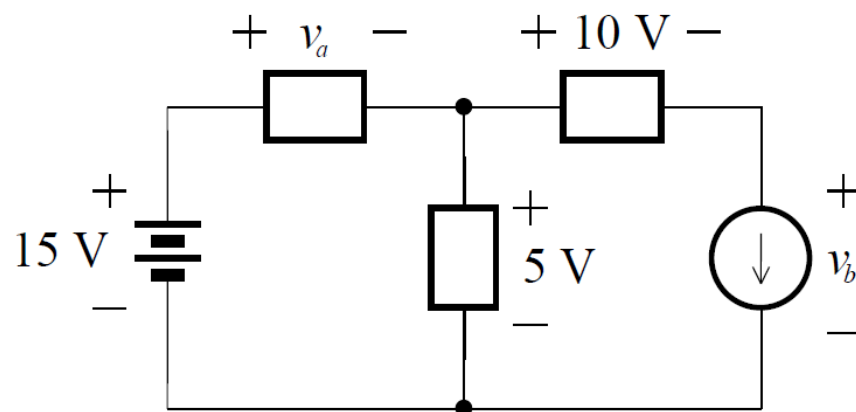
1.

Find R_{eq} for the network shown below:



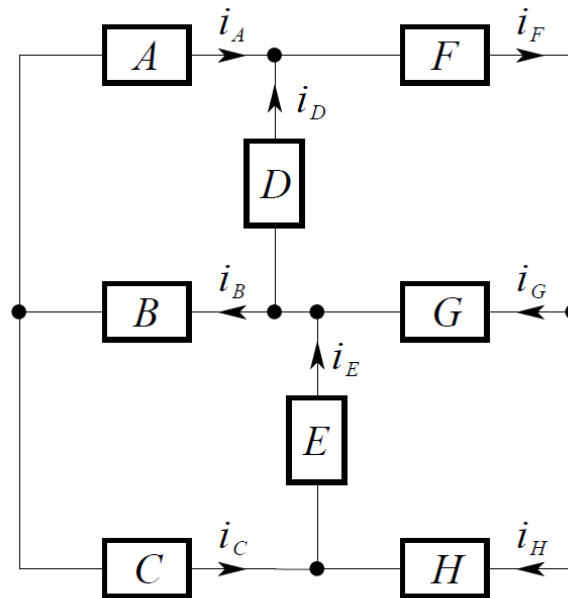
2.

With the circuit shown below, find the voltages v_a and v_b .



3.

Given that $i_A = 1\text{ A}$, $i_B = -5\text{ A}$, $i_D = 3\text{ A}$, and $i_H = 2\text{ A}$, determine the values of the other unknown currents shown in the circuit below:



4. The source voltage is 25 V, find the current I and voltage across R_4 .

