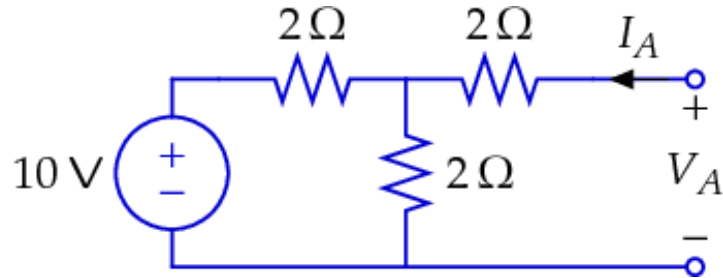


## Problem Wk.9.3.3: More Thevenin

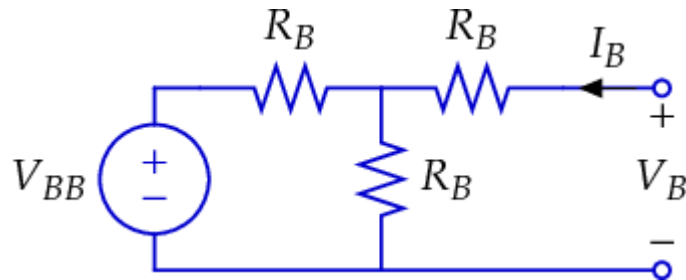
1. Find the Thevenin voltage and resistance looking into the port labeled  $V_A$  and  $I_A$  in the circuit below:



$V_{th} =$   Volts (as decimal number)

$R_{th} =$   ohms (as decimal number)

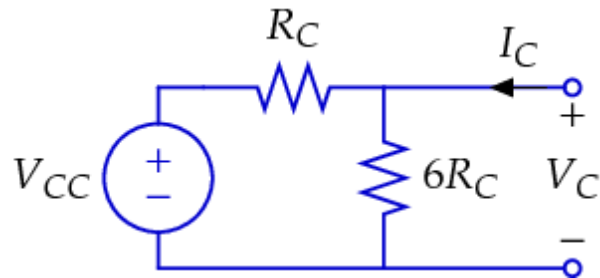
2. Find  $V_{BB}$  and  $R_B$  so that the Thevenin voltage is 12 Volts and the Thevenin resistance is 6 ohms when looking in port labeled  $V_B$  and  $I_B$  in the circuit below:



$V_{BB} =$   Volts (as decimal number)

$R_B =$   ohms (as decimal number)

3. Find  $V_{CC}$  and  $R_C$  so that the Thevenin voltage is 12 Volts and the Thevenin resistance is 6 ohms when looking in port labeled  $V_C$  and  $I_C$  in the circuit below:



$V_{CC} =$   Volts (as decimal number)

$R_C =$   ohms (as decimal number)

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