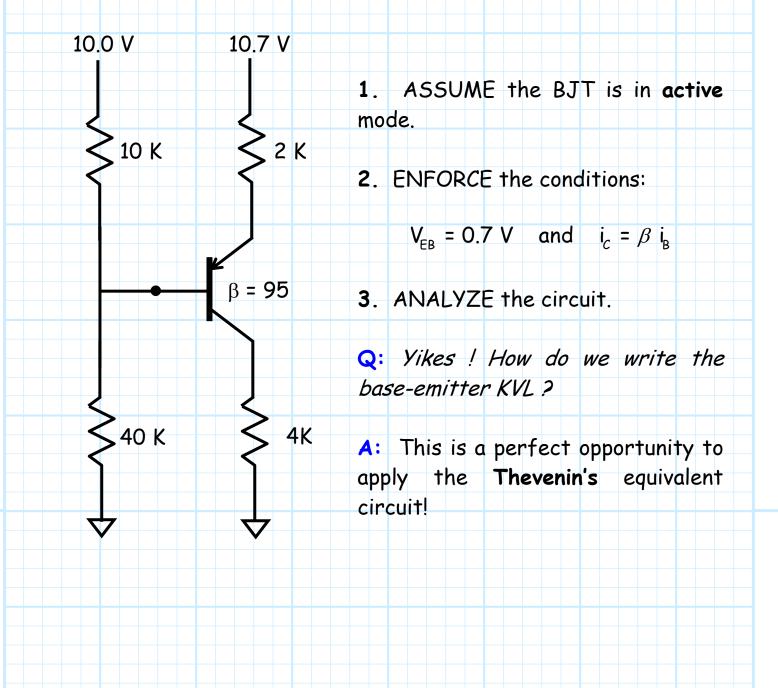
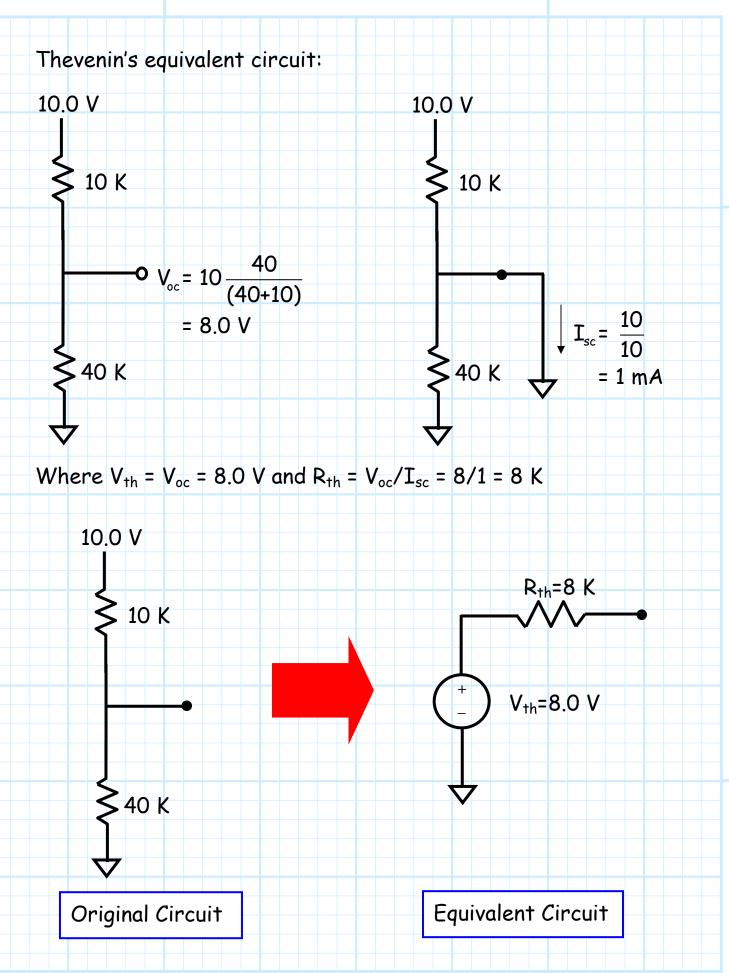
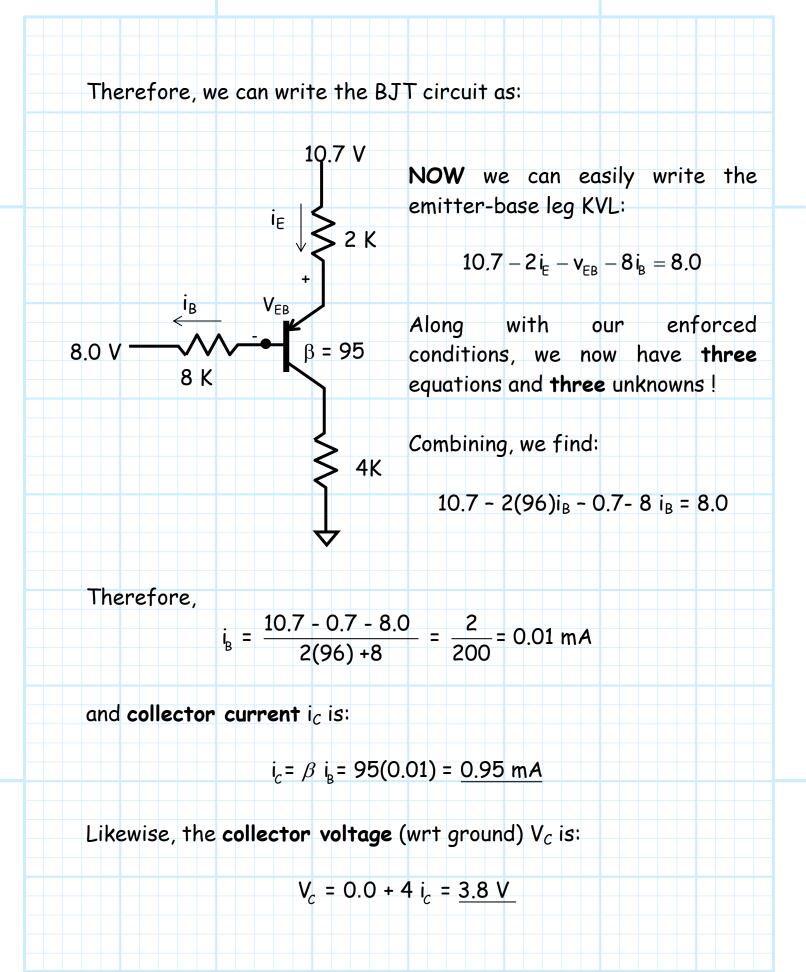
<u>Example: An Analysis</u> of a *pnp* BJT Circuit

Determine the collector current and collector voltage of the BJT in the circuit below.







But wait ! We're **not** done yet ! We must **CHECK** our assumption.

First, i_B = 0.01 mA > 0 🗸

But, what is V_{EC} ??

Writing the emitter-collector KVL:

$$10.7 - 2i_F - V_{CF} - 4i_C = 0$$

Therefore,

Our assumption was correct !