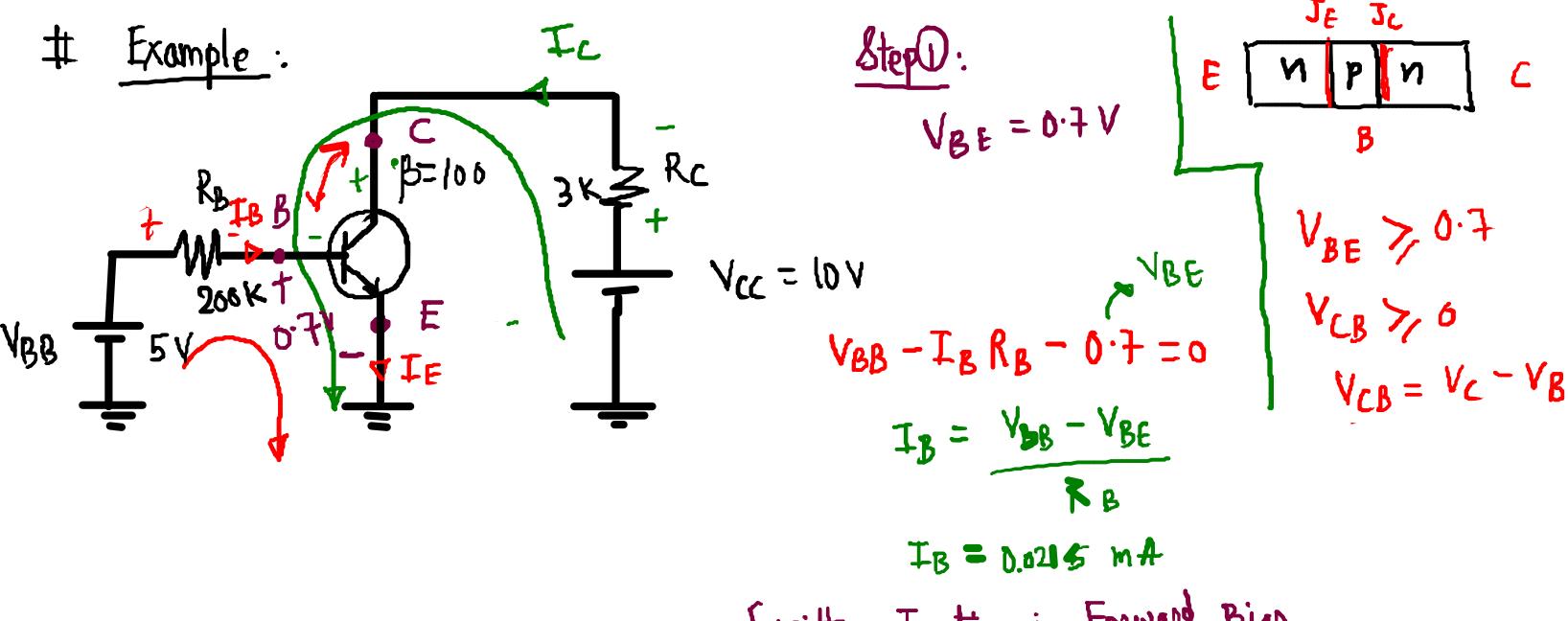
For amplification, transiston has to be in Forward Active region

 $J_E : FB$ 

J<sub>L</sub>: RB

Appropriate biasing has to be applied to the transistor.

Ac. voltage



Emitter Junction is Forward Bios

Step 1: 
$$V_{CC} - I_{CR} - V_{CB} - V_{BE} = 0$$

$$V_{CB} = V_{CC} - (BT_B)R_C - V_{BE}$$

$$V_{CB} = 2.85$$

