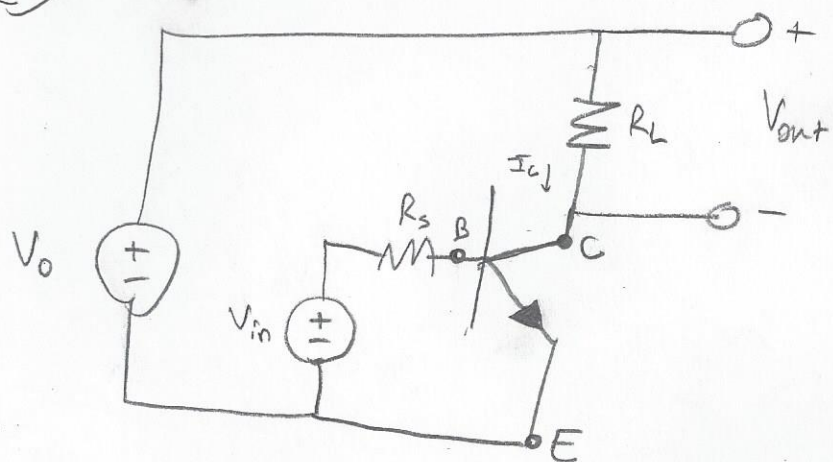
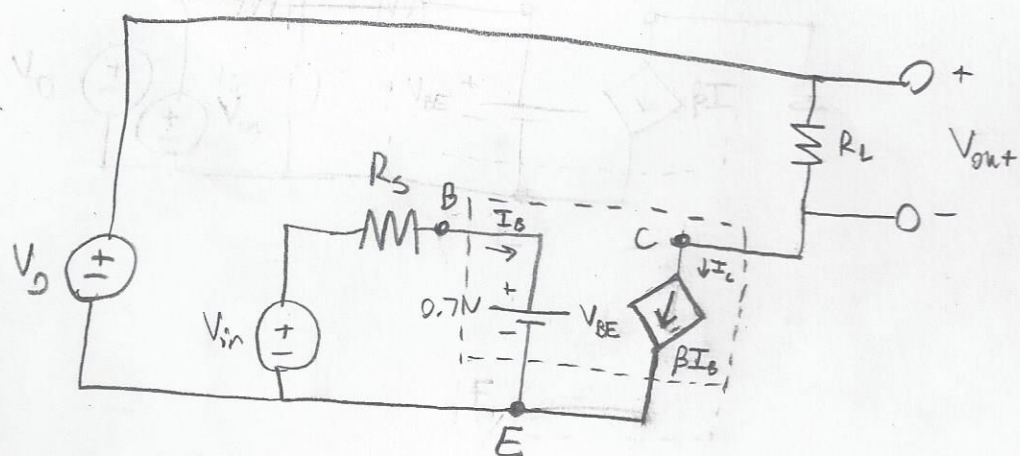


6



$$V_{out}(V_{in}) = ?$$



$$V_{out} = I_C R_L$$

$$I_B = \frac{V_{in} - 0.7}{R_s}$$

$$I_C = \beta I_B$$

$$V_{out} = \beta \left(\frac{V_{in} - 0.7}{R_s} \right) R_L$$