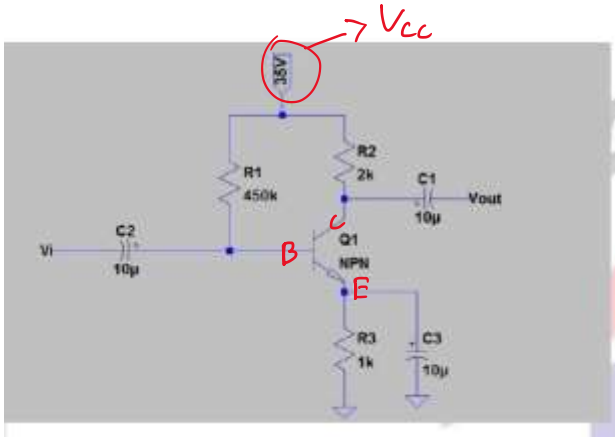

V_{cc}

Carilah :

a. Ib

b. Ic

$\beta = 50$

$V_{cc} = 35\,V$ $\quad I_E = I_C + I_B$ $\quad I_C = \beta I_B$

$V_B = V_{cc} = 35V$ $\quad R_E = R_3 = 1k$

$$I_B = \frac{V_{cc} - 0,7}{R_1 + (\beta+1)R_E} = \frac{35 - 0,7}{450k + (50+1)\,1k} = \frac{34,3}{601k} = 5,7 \times 10^{-5} A$$

$$= 57 \times 10^{-6} A$$

$$= 57\,\mu A$$

$$I_C = \beta I_B = 50 \cdot 57\,\mu A = 2850\,\mu A = 2,85\,mA$$