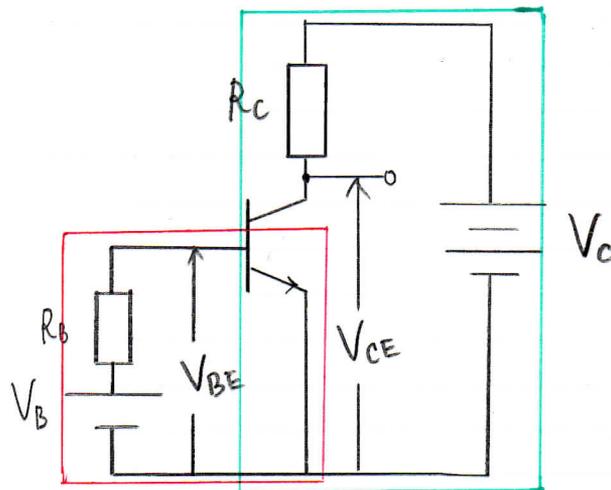
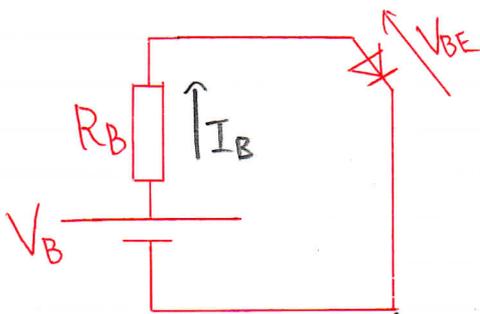


H23 为2回为2回(2)



分割する



$$\begin{aligned} \star I_B &= \frac{V_B - V_{BE}}{R_B} = \frac{2 \text{ボルト} - 0.7 \text{ボルト}}{65 \text{キロオーム}} = \frac{2 - 0.7}{65 \times 10^3} = \frac{1.3}{65 \times 10^3} \\ &= \frac{1.3}{6.5} \times \frac{1}{10^4} = \frac{1}{5} \times 10^{-4} = 0.2 \times 10^{-4} = \underline{2 \times 10^{-5} \text{ [A]}} \end{aligned}$$

$$\star I_C = h_{FE} I_B$$

$$\underline{I_C = 100 \times 2 \times 10^{-5} = 200 \times 10^{-5} = 2 \times 10^{-3} \text{ [A]}}$$

$$\star V_{CE} = V_C - R_C I_C$$

$$\begin{aligned} V_{CE} &= 10 - 2 \times 10^3 \times 2 \times 10^{-3} = 10 - 4 \times 10^3 \times 10^{-3} \\ &= 10 - 4 = \underline{6 \text{ [V]}} \end{aligned}$$

$$\therefore \underline{V_{CE} = 6 \text{ [V]}} \quad \# \quad \text{(終)} \quad \text{py/LT/1}$$