Sadesa Islam Retika: 20232000000131

callecting data sheet.

$$\mathcal{I}_{C} = 2.0 \, \text{mA}, \, V_{CE} = 5.0 \, \text{v}$$

$$I_B = \frac{I_C}{\beta} = \frac{2mA}{110} = 0.01818mA$$

$$\frac{V_E}{2} = \frac{1}{10} V_{ec}$$

$$= \frac{1}{10} \times 10$$

$$R_{y} = R_{E} = \frac{V_{E}}{I_{C}} = \frac{V_{E}}{I_{C}} = \frac{1}{2 \times 10^{-3}}$$

$$Y_{RC} = V_{CE} - V_{CE} - V_{E}$$

$$= 10 - 5 - 1$$

$$= Y_{V}$$

$$: R_{0} = \frac{V_{RC}}{T_{0}}$$

$$= \frac{4V}{2 \times 10^{-3} h}$$

$$= 2000 \cdot 2 = 2 \times 10$$

$$Y_{0}^{8} = \frac{V_{0}^{8} + V_{E}}{V_{0}^{8} + V_{E}}$$

$$= 0.7 + 1 = 1.7V$$

$$Y_{0}^{8} = \frac{R_{2}}{R_{1} + R_{2}} \quad V_{0}^{8}$$

$$\Rightarrow R_{1} = 26.85 \, \text{KD}$$

$$Y_{0}^{8} = \frac{26 \, \text{my}}{T_{E}} = \frac{26 \, \text{my}}{2 \, \text{mA}} = 13 \text{m}$$

$$= \frac{26 \, \text{my}}{T_{0}^{8} + T_{0}^{8}} = \frac{26 \, \text{my}}{2 \, \text{mA}} = 13 \text{m}$$

$$= \left(\frac{1}{26.85} + \frac{1}{5.5} + \frac{1}{110 \times 13 \times 10^{-3}}\right)$$

$$= \left(\frac{1}{R_{0}} + \frac{1}{R_{0}}\right) - 1$$

$$= \left(\frac{1}{R_{0}} + \frac{1}{R_{0}}\right) - 1$$

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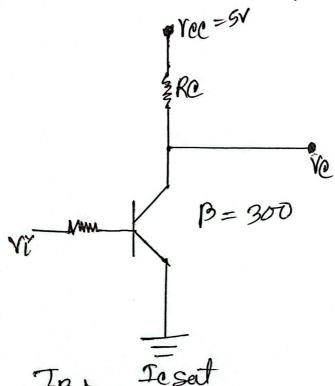
= 2KV2

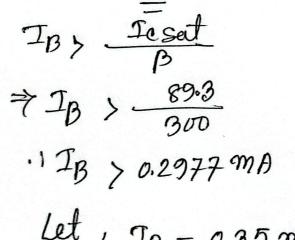
Seitela Islam Rofoka 2020200000131

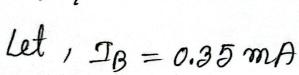
The sum of the dast 3 diget (2+3+1)=5; odd So, I Desigh a 5r relay module execut. USR , SRD - OSYDC -SL-E

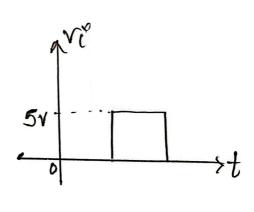
there! Tesat = 89.3 / Duta shoet]

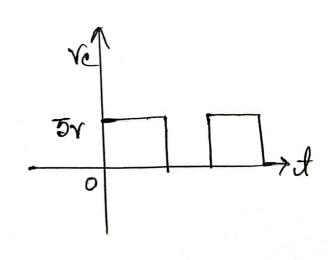
BC548 BIT for 89,3 mA, p=300 (110-800)











$$R_{B} = \frac{V_{V}^{2} - 0.7}{I_{B}}$$

$$= \frac{3 - 0.7}{0.35}$$

$$= 12.285 \text{ Kg.}$$

