

$$\frac{BTTs}{\circ V_{CE} = 0.3 \text{ V}}$$

$$\circ V_{c} = 0.5 \text{ V}$$

$$V_{D-mex} = 1.8 V$$

$$2 I_{D-max} = 0.1 A$$

$$5-0.1R_8-1.8-0.6=0 \longrightarrow 2.6=0.1R_8$$
 $R_8=26.0.1$ 

Given Vx and VcE:

$$V_{BT-1} = 0.8 \text{ V} \longrightarrow 5 - \overline{I}_{8}R_{1} = 0.8$$

$$V_{BT-2} = 0.5 \text{ V} \longrightarrow 5 - \overline{I}_{8}R_{2} = 0.5$$

① 
$$I_{B1}R_{1} = 4.2$$
  
 $I_{C1} = h_{fe} \cdot I_{B1} \rightarrow 0.1 = 10I_{B1} \rightarrow I_{B1} = 0.01 A$ 

2) 
$$I_{B2}R_2 = 4.5$$
  
 $I_{C2} = I_{E_1} = I_1 + I_{C_1} = h_{e} \cdot I_{B2}$   
 $0.1 + 0.01 = 0.11 = 10 \cdot I_{B2} \rightarrow I_{B2} = 0.011 A$