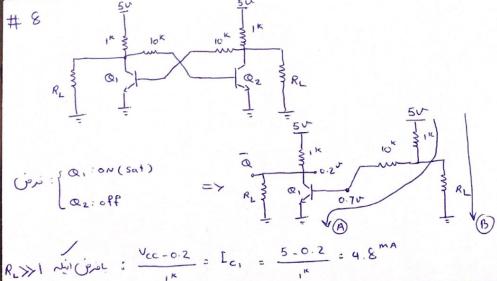


$$R_{c} = \frac{V_{cc} - V_{cE, Sat}}{I_{c}} = \frac{6 - 0.2}{2} = 2.9^{\frac{1}{10}} \times R_{c} = 3^{\frac{1}{10}} = 1.9^{\frac{1}{10}}$$

$$I_{g} = \frac{I_{c}}{B} = \frac{1.9}{70} = 0.027^{\frac{1}{10}} = 27.1 \text{ J/A}$$

KVL in A: -6 + (3*+RB) IB + 0.7 = 0 => -6 + 3*(0.027) + 0.027 RB + 0.7 = 0

$$R_{B} = \frac{6 - 0.081 - 0.7}{0.027} = 143.2* \longrightarrow R_{B} = 200$$



WEXX MULIN (A): -5+ (1"+10") [B, +0.7=0 => [B, = [c2 = 390]A

$$\beta_{\min x} = \frac{I_{c_1}}{I_{d_1}} = \frac{48^m}{391^{3/4}} \cdot 12.28$$

KVL in G: -5 + 1" (0.39) + $V_{CE_2} = 0$ => $V_{CE_2} : q_{61}$

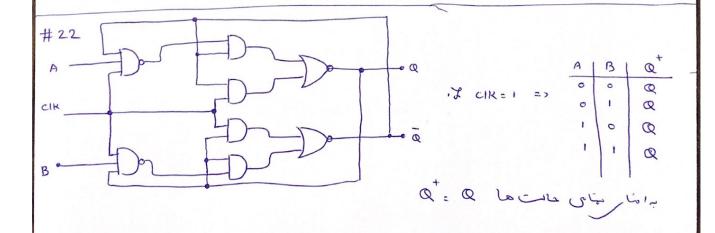
10

$$Q_{2_1} \circ q_{1} \circ q_{1$$

$$V_{B2} = \frac{R_2 V_{C1}}{R_{1+}R_2} = \frac{10 (5.46)}{10^{4} + 20^{1}} = \frac{1.82^{4}}{10^{4} + 20^{1}} = \frac{5.4}{20^{4} + 10^{14}} = 0.182^{4}$$

$$I_{C} = \frac{V_{C1}}{R_{1+}R_2} = \frac{5.4}{20^{4} + 10^{14}} = 0.182^{4}$$

$$I_{C} = \frac{V_{C2} - V_{C1}}{R_{C2}} = \frac{12 - 5.46}{10^{4} + 20^{14}} = 6.54^{4}$$



#23

