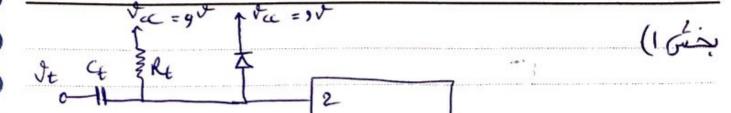
Date

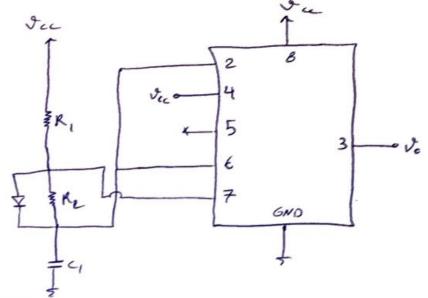


$$f = 5kHZ \rightarrow 7 = 0.2ms$$

$$= sw = \frac{2\pi}{T} \rightarrow RtCt = \frac{0.2xl_0^3}{2\pi} = 32\mu s$$

$$= 3 \begin{cases} R_t = 3.2 k \Omega \\ C_t = 10 nF \end{cases}$$

بخش2)



$$= 6 = 8.3 + (3 - 8.3)e^{-t/2}$$

$$V_{C}(T_{1}+T_{2})=V_{C}(\infty)+\left(V_{C}(e^{+})-V_{C}(\infty)\right)e^{-t/2}$$

$$-t/2$$

=> 3 =
$$\circ$$
 + 6e = > $T_2 = R_2 C_1 L_n 2$

$$\begin{array}{c} C_{1} & T_{1} + T_{2} = 0.1 \text{ms} \\ \sqrt{T_{1} + T_{2}} = 0.25 \longrightarrow \frac{T_{1}}{T_{1} + T_{2}} = 0.25 \end{array} \longrightarrow \begin{array}{c} T_{1} = 25 \text{Ms} \\ T_{2} = 75 \text{Ms} \end{array}$$

$$\Rightarrow \begin{array}{c} \nearrow C_1 = 1 \text{ on } F \\ \rightarrow R_1 = 3 \text{ k.l.} \\ \nearrow R_2 = 10.82 \text{ k.l.} \end{array}$$

$$\frac{1}{7} \int_{-1}^{1} \frac{1}{7} \int_{-1}^{1} \frac{1}{7} = \frac{1}{3}$$

$$= \int_{-1}^{1} \frac{1}{3} = \frac{1}{T_{1} + T_{2}} = 0.33 \text{ KHz}$$

$$= \int_{-1}^{1} \frac{1}{T_{1} + T_{2}} = 0.33 \text{ KHz}$$

$$V_{c}(T_{i}) = V_{c}(\infty) + (V_{c}(0^{+}) - V_{c}(\infty))e^{-t/2}$$

$$= > 6 = 8.3 + (3 - 8.3)e^{-t/2}$$

T. F. T. T. T.

$$T_1 = R_1 C_1 Ln 2.5$$

$$V_c(T_1 + T_2) = V_c(\infty) + (V_c(c^{\dagger}) - V_c(\infty))e^{-\frac{T_2}{L}}$$

$$-\frac{t_2}{L}$$

$$-3 = 6e \longrightarrow T_2 = R_2 C_1 Ln 2$$

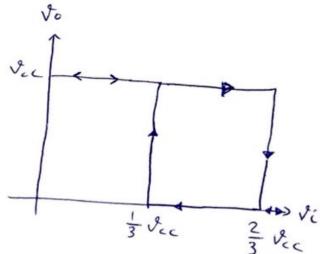
$$T_1 = 1 ms$$

= , $C_1 = 33nF$
 $T_2 = 2ms$
 $R_2 = 87KD$

$$LTP = \frac{1}{3} \sqrt[3]{cc}$$

$$UTP = \frac{2}{3} \sqrt[3]{cc}$$

VOH = Vcc VOL=0



ν₂ = ν₆ < 3 ος ποτίος κοί τη 2 θε εν 3 νες σ la / εωΙς το σοίος ματείνος σ δ in 1 } vec < v2 < 2 da dob; du des signife sat - 15 sat - 15/ dib; b sports Reset was 12) 2 dec dolos il ochosodo was

رای تعسی مال و ما م م انتم ایدی بنجراب ولئا و دمل لنم اب ۱۱ و مال تغیر لنه