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OIT We have R = 100 \text{ k.L.}, C = 1 \text{ nf}

Initial condition O = O; \overline{O} = V_{DD} \Rightarrow V_{C} = O

Lot when V_{Trigger} goes low, comparator 2 of goes high, O = V_{DD}; \overline{O} = O

Transistor O is off 5 hence capacitor C storts charging

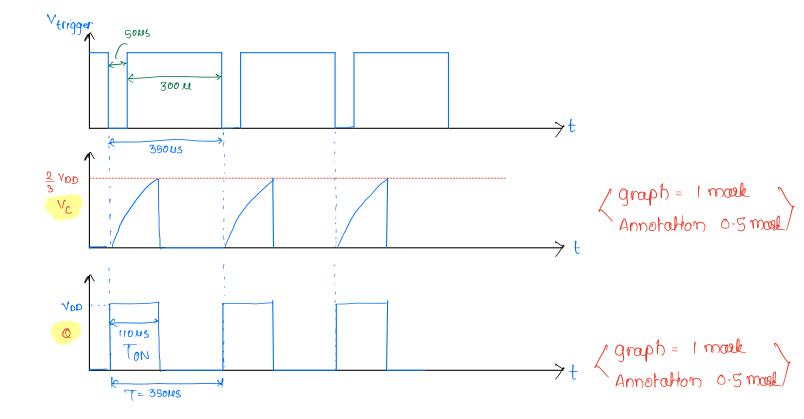
V_{C}(E) = V_{DD}(1 - E) — C = I_{C}(E) — C = I_{C}(E)

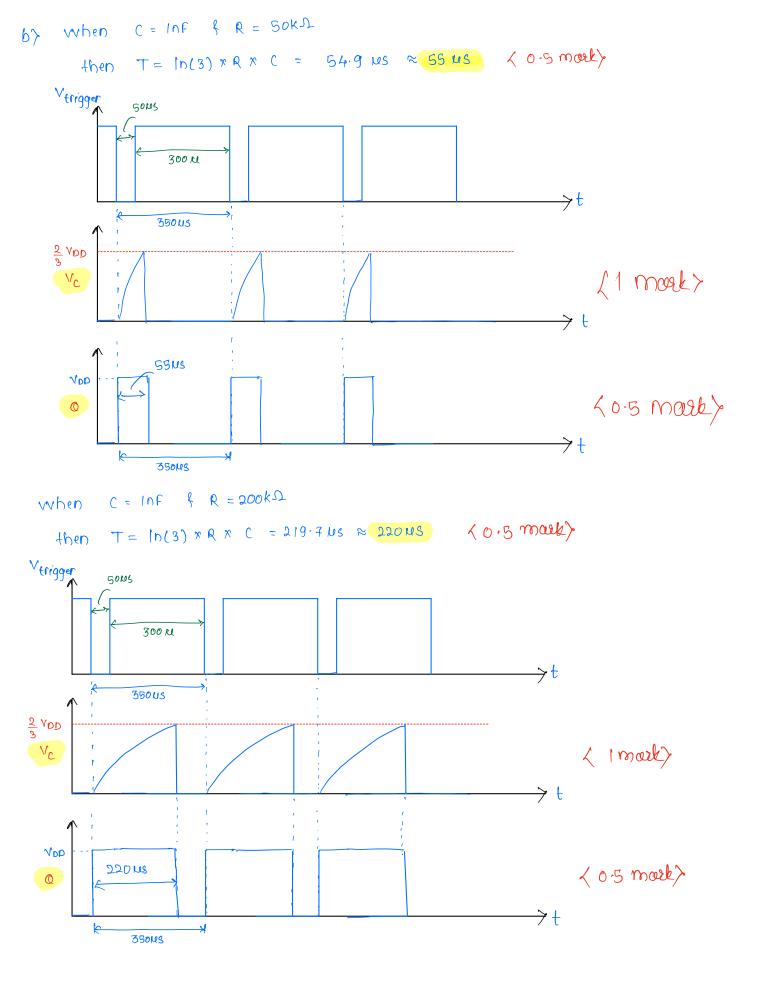
When V_{C}(E) reaches \frac{2}{3} v_{DD}, of comparator I goes high Hence O = O is \overline{O} = V_{DD} \Rightarrow V_{C} = O

V_{C}(E = O) = O is C = I_{C}(E = E)

C = I_{C}(E = E)

The reaction I = I_{C}(E) is I_{C}(E) and I_{C}(E) is I_{C}(E) and I_{C}(E) is I_{C}(E) and I_{C}(E) is I_{C}(E) and I_{C}(E) and I_{C}(E) and I_{C}(E) and I_{C}(E) are I_{C}(E) and I_{C}(E) and I_{C}(E) are I_{C}(E) and
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$$Q2$$
 We have $V_{\text{full scale}} = 1.6 \text{ V}$

$$D = 4 \text{ bits}$$

$$\Delta > \Delta = V_{CSB} = \frac{1.6}{24} = \frac{1.6}{16} = 0.1V$$
 < 2 mark>

