

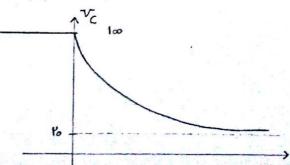
ئۆى -ە عازن القىال باز مى سود

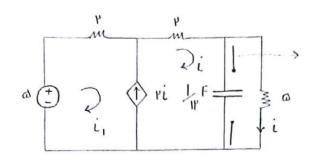
$$\nabla_{c}(\infty) = ? \rightarrow \frac{\kappa_{o}}{\kappa_{o} + 40} \times \omega_{o} = \kappa_{o} - \kappa_{o}$$

$$R_{Th} = ?$$
 $9011 \, Pooll \, do \Rightarrow \frac{1}{R_{Th}} = \frac{1}{90} + \frac{1}{Poo} + \frac{1}{do} \rightarrow R_{Th} = \frac{900}{PQ} = PF \Lambda$

$$v_c(t) = v(\infty) + [v(0^+) - v(\infty)] e^{\frac{-t}{\tau}} = v_0 + (1\infty - v_0) e^{\frac{-10^4 t}{11^4}}$$

$$\nabla_{C}(t) = \begin{cases} 1\infty & t < 0 \\ \frac{-10^{4}t}{11} & t > 0 \end{cases} \longrightarrow$$



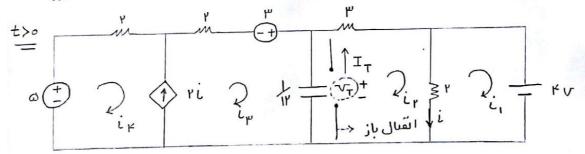


در آه خازن انقبال باز می شود

$$\underbrace{(m_0 \rightarrow KvL_{i,i_1} \rightarrow Vi - \alpha + \Gammai_1 = 0}_{i-i_1=\Gamma i} \rightarrow Vi - \alpha + \Gammai_1 = 0}_{j=-i} \rightarrow Vi - \Gamma i = 0 \rightarrow i=1A$$

$$V(a) = Ri = axI = av = V_c(a^-) = V_c(a^+)$$

$$\frac{dvc}{dt} (o^+) = i_c (o^+) = ?$$



$$V(Y) = Y \longrightarrow Y = i R^{3} = i = YA$$

$$i_{\mu} - i_{\kappa} = \frac{\gamma_{i}}{\kappa} \longrightarrow i_{\kappa} = i_{\mu} - \kappa \xrightarrow{+*} \nabla_{\tau} - \lambda + \gamma (i_{\mu} - \kappa) + \gamma_{i_{\mu}} = 0 \longrightarrow 0$$

$$I_{\tau} = i_{\gamma} - i_{\gamma} \longrightarrow i_{\gamma} = I_{\tau} + i_{\gamma} \stackrel{(i)}{(i)}$$

$$V_T - 14 = - F L_{\mu} \rightarrow L_{\mu} = \frac{-V_T}{F} + F \left(\prod \right)$$

$$(\overline{I}), (\overline{I}) \Rightarrow i_{P} = I_{T} - \frac{v_{T}}{R} + K (\overline{I})$$

$$\frac{\sqrt{V_T}}{\sqrt{V_T}} \Rightarrow V_T = V(I_T - \frac{V_T}{V_T} + V) + V \Rightarrow V_T + \frac{V_T}{V_T} = VI_T + 14 \Rightarrow V_T + \frac{V_T}{V_T} = VI_T + VV_T + VV_$$

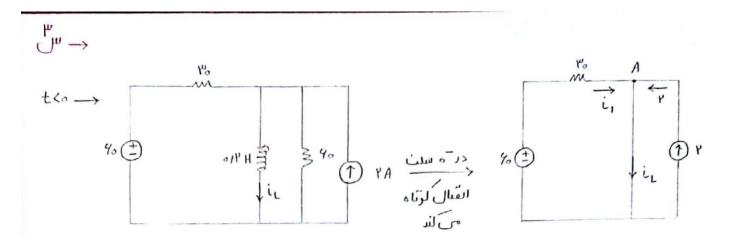
$$\nabla_{T} = \frac{1!}{V} I_{T} + \frac{4!}{V}$$

$$R_{Th} \qquad \nabla_{Th} = V(\infty)$$

$$T = RC \implies T = \frac{11}{V} \times \frac{1}{11} = \frac{1}{V} S$$

$$V_{c}(t) = V(\infty) + \left[V(o^{+}) - V(\infty)\right] e^{\frac{-t}{\gamma}} = \frac{4\gamma}{V} + \left(\omega - \frac{4\gamma}{V}\right) e^{-Vt} = \frac{4\gamma}{V} - \frac{\gamma q}{V} e^{-Vt}$$

$$i_c(+) = \frac{dvc}{dt} = \frac{1}{11} \times 19e^{-vt} = \frac{19}{11}e^{-vt} \rightarrow i_c(0^+) = \frac{19}{11}$$



$$KCLA \Longrightarrow i_{L} = i_{1} + r$$

$$\downarrow_{L}(o^{-}) = FA = i_{L}(o^{+})$$

$$KVLi_{1} \Longrightarrow Voi_{1} = 90 \Longrightarrow i_{1} = rA$$

$$R_{Th} = \frac{100}{100} = \frac{100$$

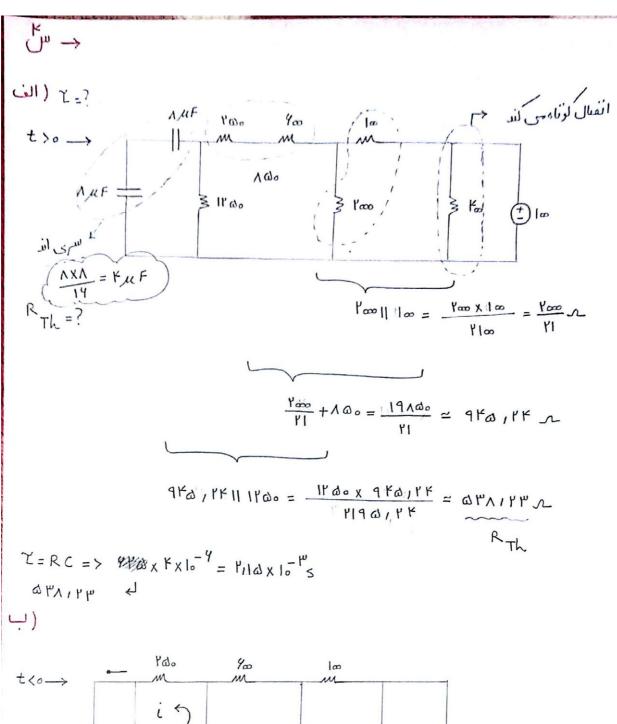
i_ (∞) = YA

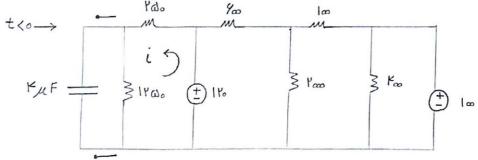
$$i_{L}(+) = i(\infty) + [i(\sigma^{\dagger}) - i(\infty)] e^{\frac{-t}{\tau}}$$

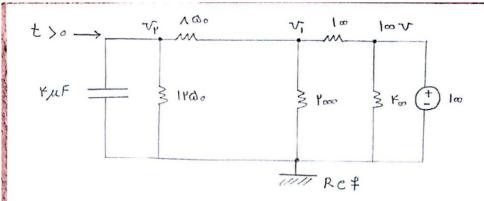
$$= r_{+}(r_{-}r) e^{-1\infty t}$$

$$= r_{+}r_{e}$$

$$i_{L}(t) = \begin{cases} F & t < 0 \\ F + F e^{-l\omega t} & t > 0 \end{cases}$$



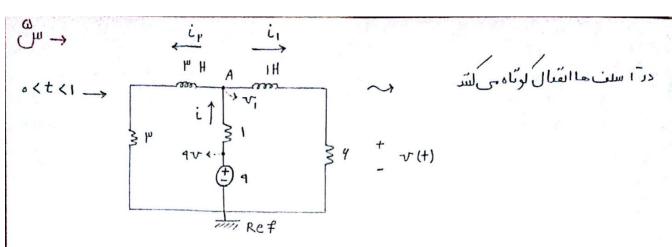




$$\frac{\sqrt{1}}{\Lambda @ o} + \frac{\sqrt{1}}{1 \infty} + \frac{\sqrt{1}}{1 \infty} - \frac{\sqrt{1}}{\Lambda @ o} = 1 \rightarrow \frac{\sqrt{1} + \sqrt{1}}{2 \sqrt{1} + \sqrt{1}} = 1$$

$$KCLV_{p} = > \frac{V_{p} - V_{1}}{\Lambda GO} + \frac{V_{p}}{1 GO} = 0 \rightarrow \frac{K_{1} V_{p}}{1 GO} - \frac{V_{1}}{\Lambda GO} = 0$$

$$V_{C}(+) = V(\infty) + \left[V(0^{+}) - V(\infty)\right] e^{\frac{-1}{\tau}} = \Delta Y_{1} Y_{1} + \left(1\infty - \Delta Y_{1} Y_{1}\right) e^{\frac{-10^{+} t}{\gamma_{1} 10}} = 0$$



$$KCLA \Rightarrow V_1 - 9 + \frac{V_1}{9} + \frac{V_1}{\mu} = 0 \longrightarrow V_1 = 9 V_2 \leftarrow V(+)$$

$$kcl A \Rightarrow \nabla_{i} - q + \frac{\nabla_{i}}{q} + \frac{\nabla_{i}}{p} = 0 \longrightarrow \nabla_{i} = q \nabla_{i} - \nabla(t)$$

$$i_{1} = \frac{\nabla_{i}}{q} = 1A \leftarrow i_{1}(1^{-}) \qquad i_{p} = \frac{\nabla_{i}}{p} = PA \leftarrow i_{p}(1^{-})$$

$$i_{L}(1^{-}) = \frac{i_{1}(1^{-})L_{1} + i_{1}(1^{-})L_{1}}{L_{1} + L_{1}} = \frac{1 \times 1 + 1 \times 1}{k} = \frac{V}{k} = i_{L}(1^{+})$$

$$i_{L}(t-1) = i_{L}(1+)e^{\frac{-(t-1)}{T}} = \frac{v_{L}}{v_{L}}e^{\frac{-q(t-1)}{T}}$$

$$R = 9 \Lambda \longrightarrow T = \frac{L}{R} = \frac{K}{9} S$$

$$V(4) = i_{L}(+)R = 4x \frac{V}{K}e^{-9(+-1)}$$

$$\nabla (+) = \begin{cases} 9 & o < t < 1 \\ \frac{-q(t-1)}{r} & t > 1 \end{cases}$$