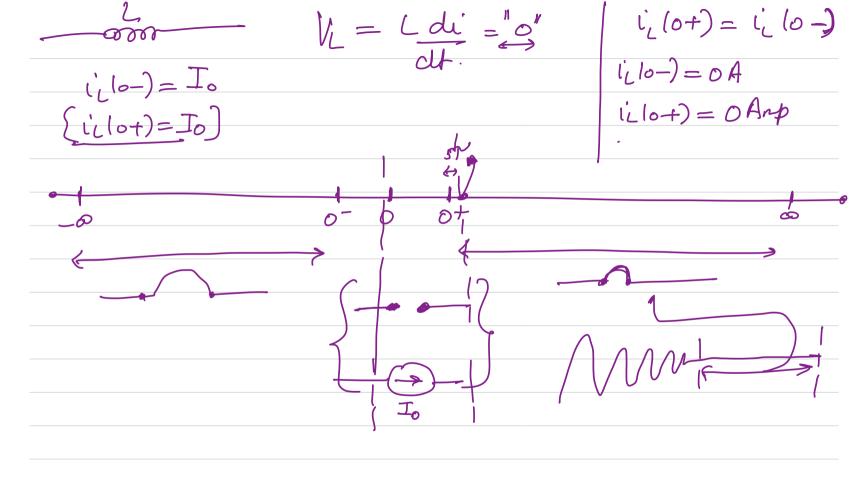
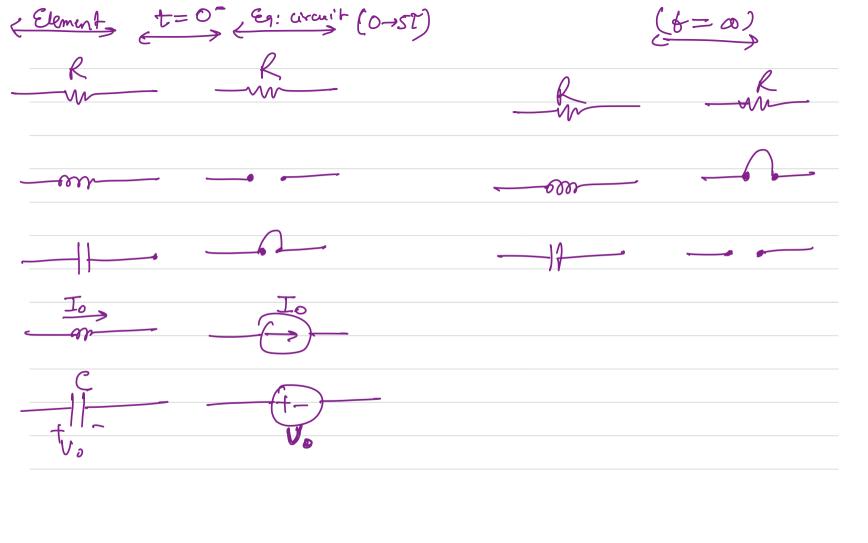


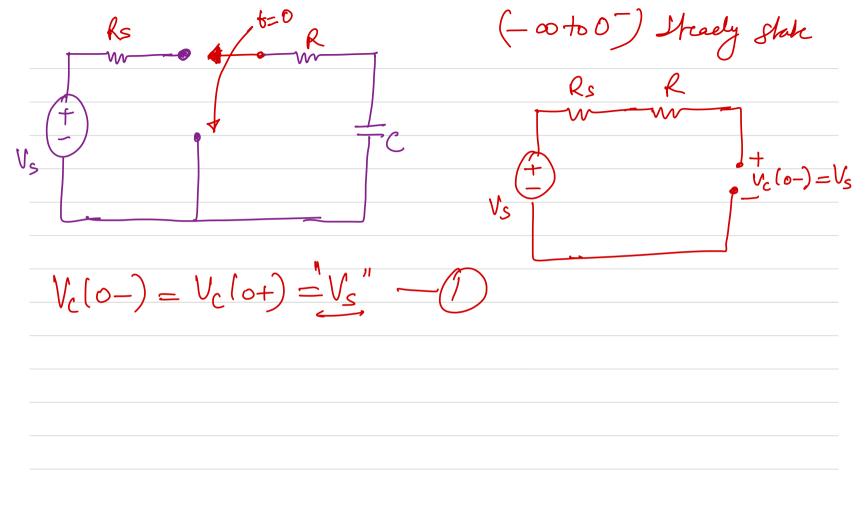
$$\frac{1}{\sqrt{1000}} = \sqrt{1000} = \sqrt{1000}$$

$$\sqrt{1000} = \sqrt{1000} = \sqrt{1000}$$

$$\sqrt{1000} = \sqrt{1000}$$







$$-V_{c} - i_{c}R = 0$$

$$V_{c} + i_{c}R = 0$$

$$V_{c} + RC \frac{dV_{c}(t)}{dt} = 0$$

$$\frac{dV_{c}(t)}{dt} + \frac{1}{RC} \frac{V_{c}(t)}{dt} = 0$$

$$\frac{dv_{c}(t)}{dt} + a v_{c}(t) = 0$$

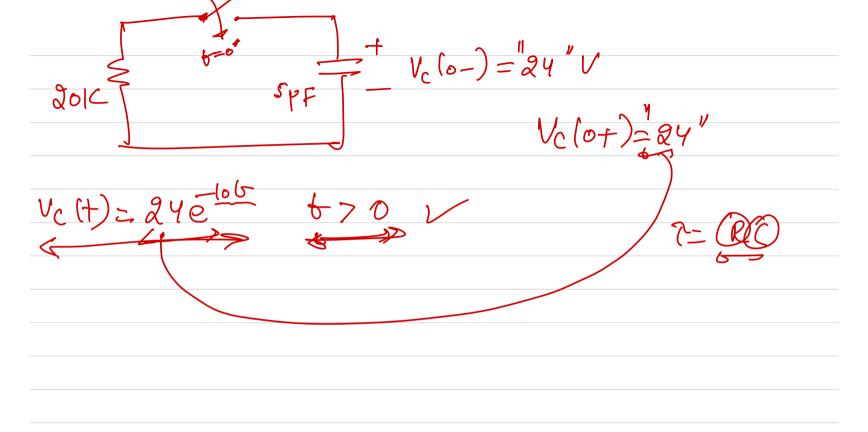
$$\frac{dv_{c}(t')}{dt'} + a v_{c}(t') + a v_{c}(t') = 0$$

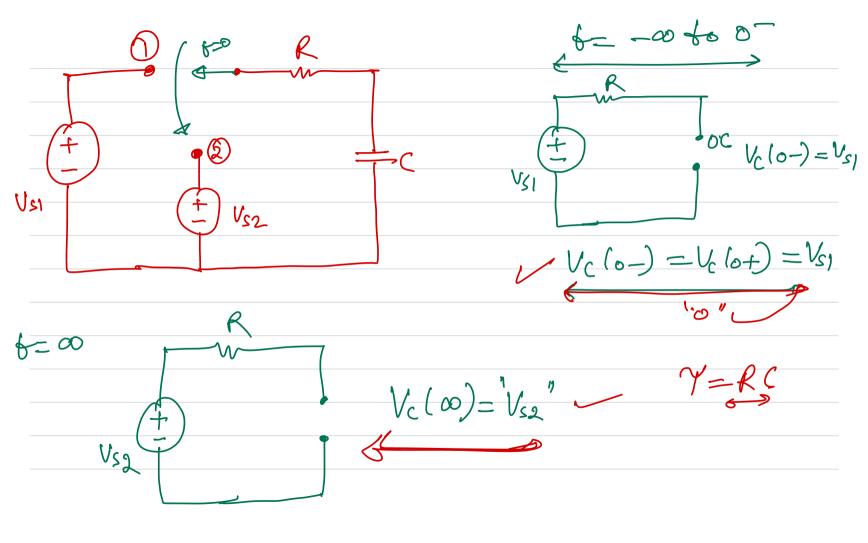
$$\frac{dv_{c}(t')}{dt'} = at' + a v_{c}(t')e^{ab'} = 0$$

$$\frac{d(v_{c}(t'))e^{at'}}{dt'} = 0$$

$$\frac{d(v_{c}(t))e^{at'}}{dt'} = 0$$

Vc(+) = Vs ear = Vs e TRC No (1) 0.37Vs 27 4





$$V_{S2} - iR - V_{C}^{(t)} = 0$$

$$V_{S2} - iR - V_{C}^{(t)} = 0$$

$$V_{S2} - Cdv_{C}t_{1}R - V_{C}t_{2}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{1}R - V_{C}t_{2}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{2}R - V_{C}t_{3}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{2}R - V_{C}t_{3}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{2}R - V_{C}t_{3}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{3}R - V_{C}t_{4}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{3}R - V_{C}t_{4}t_{3} = 0$$

$$V_{S2} - Cdv_{C}t_{4}R - V_{C}t_{4}t_{4} = 0$$

$$V_{S2} - Cdv_{C}t_{4}R - V_{C}t_{4}R - V_{C}t_{4} = 0$$

$$V_{S2} - Cdv_{C}t_{4}R - V_{C}t_{4}R - V_{C}t_{4}R$$

$$\frac{d |v(t')| e^{at'}}{dt'} + \frac{a |v_c(t')| e^{at'}}{b} = \frac{b |e^{at'}|}{b}$$

$$\frac{d |v_c(t')| e^{at'}}{dt'} = \frac{b |e^{at'}|}{b}$$

$$\frac{d |v_c(t')| e^{at'}}{dt'} = \frac{b |e^{at'}|}{a}$$

$$\frac{d |v_c(t')| e^{at'}}{dt'} = \frac{b |e^{at'}|}{a}$$

$$\frac{d |v_c(t')| e^{at'}}{dt'} = \frac{b |e^{at'}|}{a}$$

$$V_c(t)e^{at}-V_c(0)=\frac{b}{a}e^{at}-\frac{b}{a}$$

$$V_{c}(l) = V_{c}(l) e^{a\alpha} + b \left(1 - e^{a\alpha} \right) = b = V_{s2}$$

$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{s2} \left(1 - e^{a\alpha} \right)$$

$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{c}(l) \left(1 - e^{a\alpha} \right)$$

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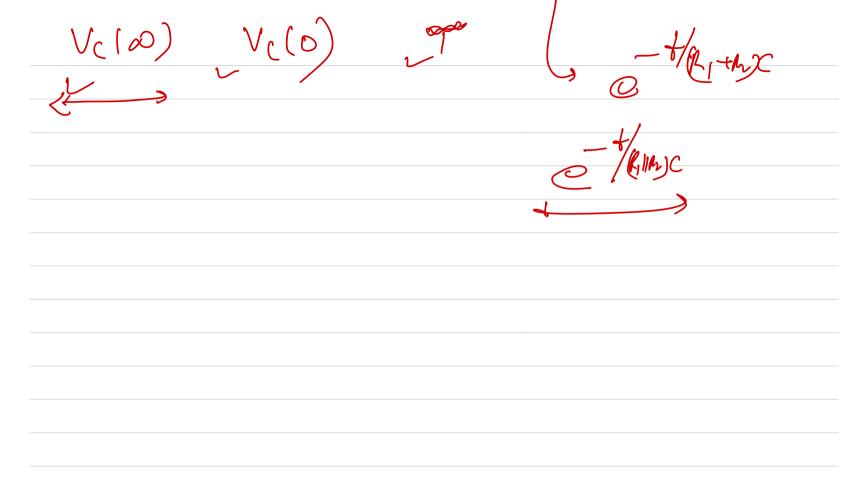
$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha}$$

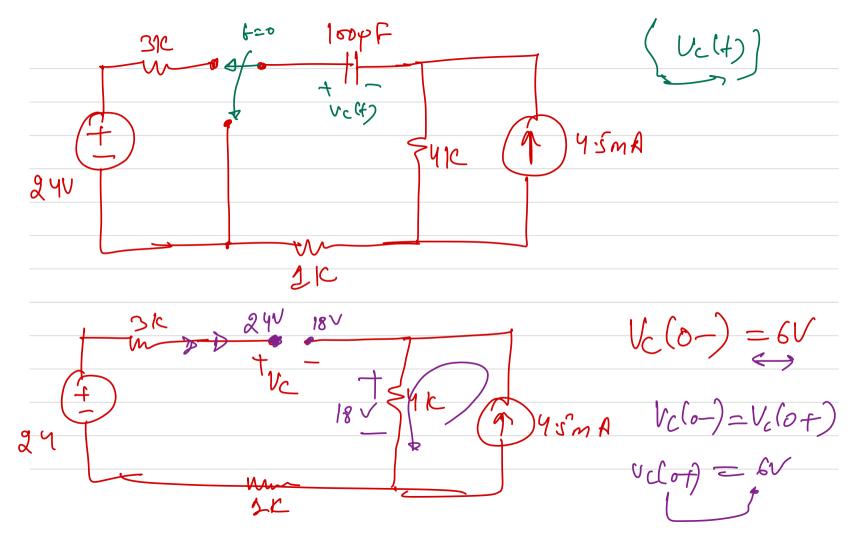
$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha}$$

$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha} + V_{c}(l) e^{a\alpha}$$

$$V_{c}(l) = V_{c}(l) e^{a\alpha} + V_{c$$

 $V_c(t) = V_c(0) e^{-at} + \frac{b}{a} \left(1 - e^{-at}\right)$





$$V_{C}(\omega) = \frac{1-18V}{18}$$

$$V_{C}(+) = V_{C}(\omega) + (V_{C}(\omega) - V_{C}(\omega)) = \frac{1}{12}$$

$$= -18 + (6 + 17) = 47$$

=-18+24e-47 (-18+24e-2+) +70 (-18+24 E2+) W(+)