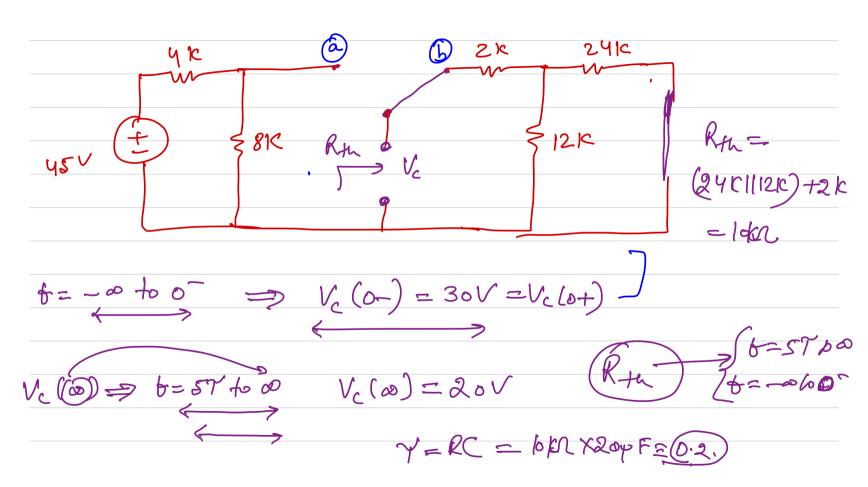
$$V_{c}(t) = \left\{ V_{c}(\infty) + \left(V_{c}(0) - V_{c}(\infty) \right) e^{-t/\gamma} \right\}$$

$$V_{c}(t) = \left\{ V_{c}(\infty) + \left(V_{c}(0) - V_{c}(\infty) \right) e^{-t/\gamma} \right\} u(t)$$

$$V_{c}(\infty) + \left(V_{c}(0) - V_{c}(\infty) \right) e^{-t/\gamma} u(t)$$

$$V_{c}(\infty) + \left(V_{c}(0) - V_{c}(\infty) \right) e^{-t/\gamma} u(t)$$

60V 810 Vi(+) = 20+10 = 5t 670 , [20+10=56/4Ct) V(4)= V(0)+ (V(0)-V(0))= t/r 1 1 Y=RmC



$$20 + (30-20)e^{-56} 2 + 70$$

$$V_{c(4)} = 20 + 10e^{-5(6-3)} + 23$$

$$V_{c(4)} = 20 + 10e^{-5(6-3)} + 23$$

$$20 + 10e^{-5(6-3)} + 23$$

$$V_{c}(+) \rightarrow V_{d}(+) = -V_{d} u(+-y) \rightarrow -V_{d} (1-e^{-(t-7/r)}) u(t-7)$$

$$V_{c}(+) \rightarrow V_{d}(+) = -10 (1-e^{-(t-7/r)}) u(t-y)$$

$$V_{c}(+) \rightarrow V_{c}(+) = V_{c}(-1) + (V_{c}(-1) - V_{c}(-1))$$

$$V_{c}(+) = V_{d} (1-e^{-(t-7/r)}) + (V_{c}(-1) - V_{c}(-1))$$

$$V_{d}(+) = V_{d} (1-e^{-(t-7/r)}) + (V_{c}(-1) - V_{c}(-1))$$

$$V_{d}(+) = V_{d} (1-e^{-(t-7/r)}) + (V_{c}(-1) - V_{c}(-1))$$

$$V_{d}(+) = V_{d} (1-e^{-(t-7/r)}) + (V_{d}(-1) - V_{d}(-1))$$

$$V_{d}(+) = V_{d} (1-e^{-(t-7/r)}) + (V_{d}(-1) - V_{d}(-1)$$

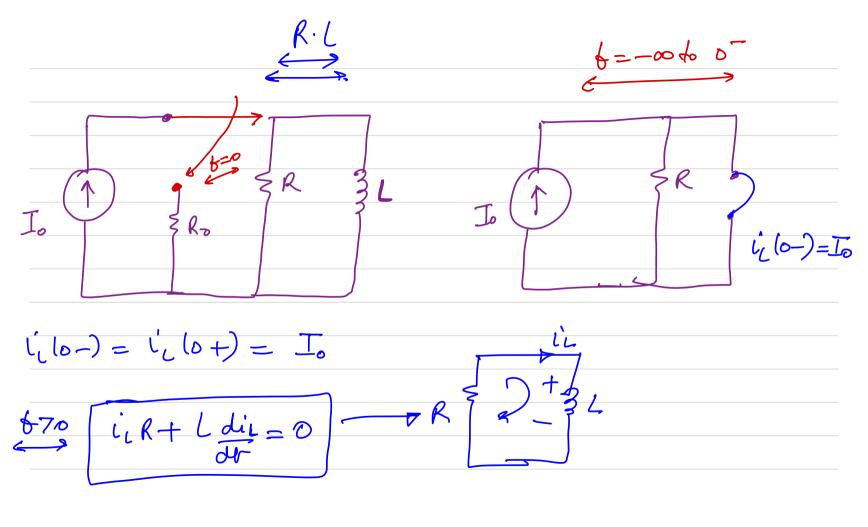
$$V_{d}(+) = V$$

$$V_{c}(t) = V_{c}(t) + V_{c}(t)$$

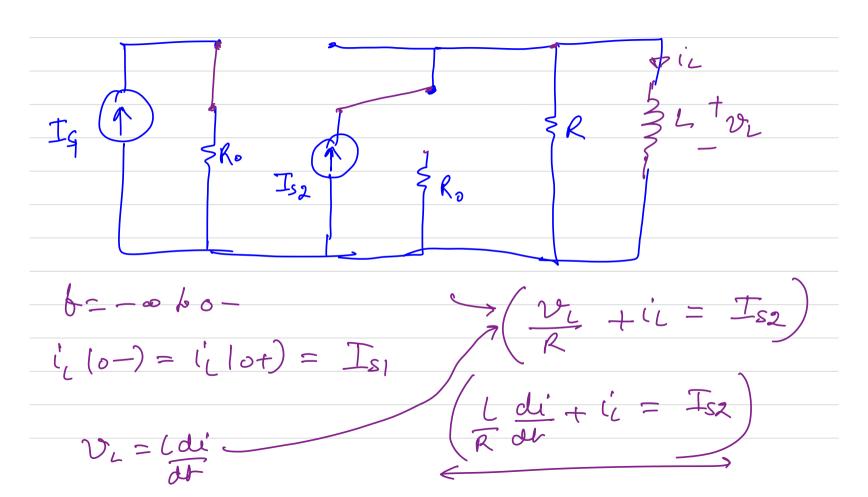
$$V_{c}(t) = I_{0}(1 - e^{-0.2t}) - I_{0}(1 - e^{-0.2(t-4)})u(t-4),$$

$$V_{c}(t)$$

$$V_{c}(t)$$



i(6)=4(0)e -6/7 u(6) 4=0 SR. Is2



a=R/L g(b=R) $I_{s2}=aI_{s2}$

$$a = R/L , (b = R Is2 = a Is2)$$

$$L'(+) = L'(lo) + (i_1 lo) - L'$$

(10) = Is, (i(0) =

= $l(l \infty) + (i(l 0) - i(l \infty)) = \frac{-6/7}{4}$

(i(t)= (i(0)+ (i(0)-i(0))e -(6-T0)/7 u(6-T0) 11(1) (2l+) = R1=6K $R_2 = 12 \text{ K}$ A (3(+) L2 = 6.36H

$$\frac{1}{2} = \frac{12 \text{ K}}{2}$$

$$\frac{1}{2} = \frac{12 \text{ K$$

\$ - 5 T to 0 i(+) 29=4.8V (2l+) ZR1=6K R2=121C A (3(+) (2/2) 1,10) 12 (w) = O Amp ,0.8mA i, (+) = 0.4 = t/2 (g(+)= 0.8 = +17, 0.4 = t/2+0.8 = t/m f=04657 i(t)124) ZR1=6K R2=12K 1 isl +2 Ky across 2, = 610 => T, = 4Ryn = 2×159 Ryn acros L2 = 121c => 72=(L2/18m2)