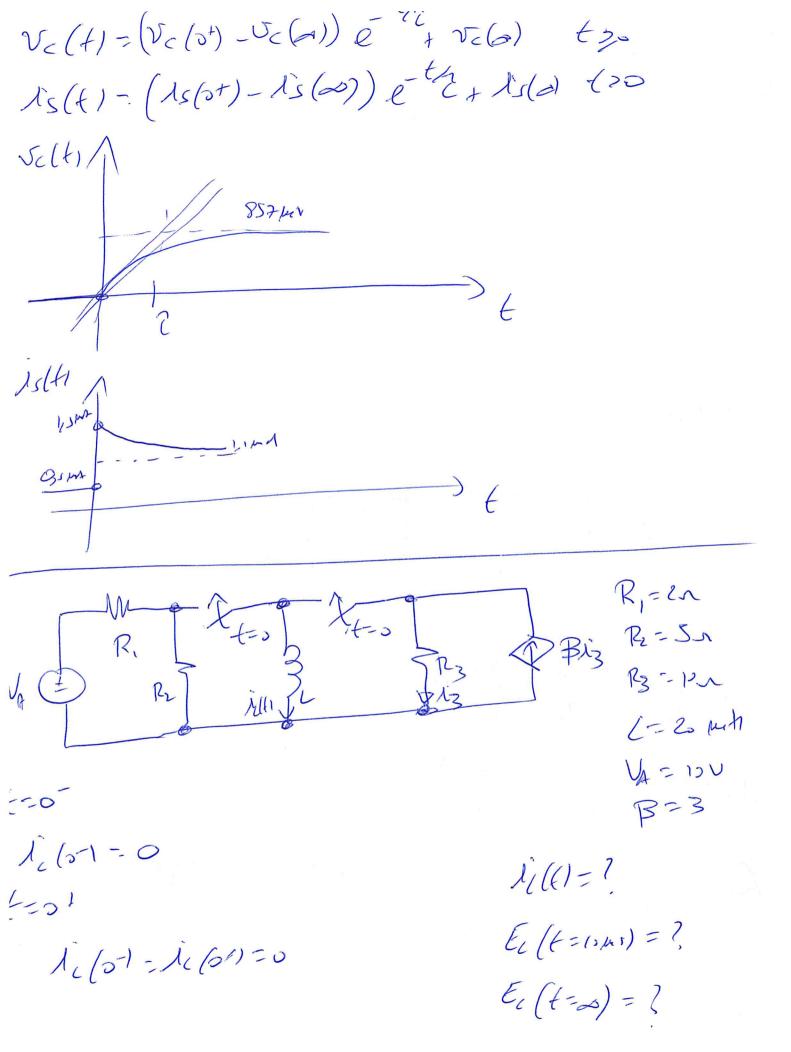
R= 4 ka R2 = 4 KM VB = 3V C= LMF 18/51 21x + 1 Vs 1/10-0 Vc (0) = 0 15-15-0,008 JuA 1j-Vs = 0,5 MA $V_{c}(s+1) = V_{c}(s+1) = 0,5 \text{ Mar}$ $V_{c}(s+1) = V_{c}(s+1) = 0$ $V_{c}(s+1) = V_{c}(s+1) = 0$ $V_{c}(s+1) = V_{c}(s+1) = 0$ is(0+) = Vs = 1,5 MA N () (a) (Vc(2) = - Paix + dix $\int_{\Gamma} \left(\omega \right) = \frac{\frac{2it}{R_1} + \frac{V_1}{R_3}}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}}$

$$\mathcal{T}(a) = -R_{1}ix + \alpha ix - ix (d-R_{1}) = 857 \text{ lev}$$

$$is(a) = \frac{V_{5}(a)}{R_{3}} - \frac{V_{$$

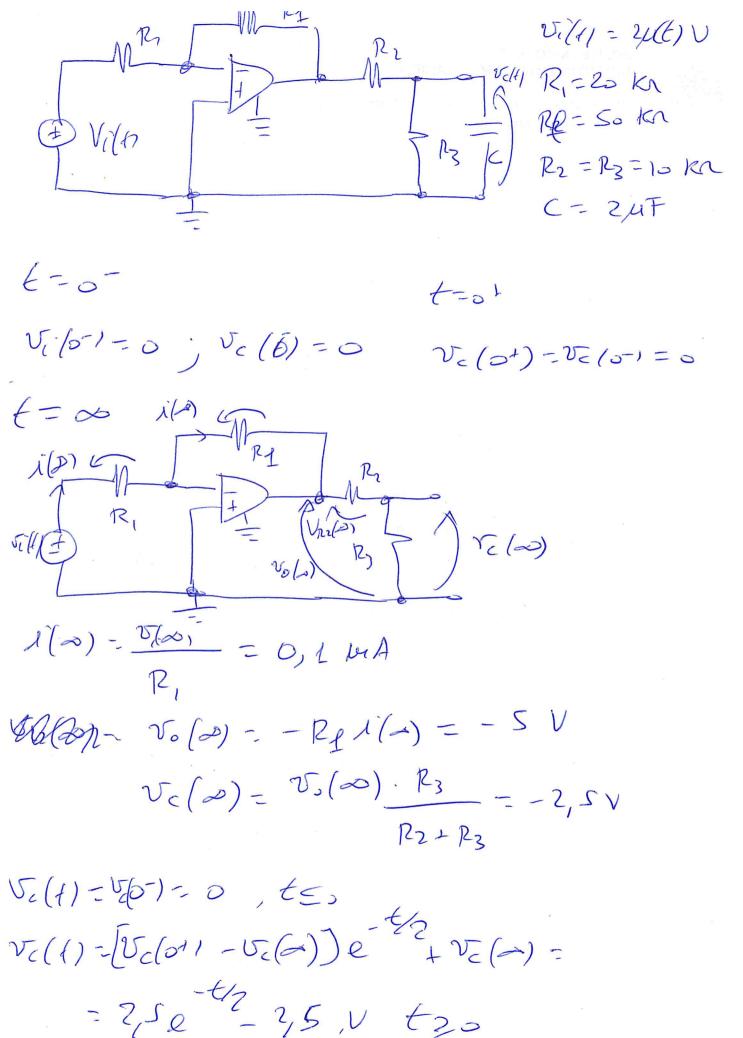
$$= \frac{V_{p}}{2-P_{1}} + \frac{V_{p}}{P_{2}} + \frac{V_{p}}{P_{3}} = V_{p} \left(\frac{-P_{1}P_{3} + (a-P_{1})P_{3} + (a-P_{1})P_{3} + (a-P_{1})P_{3}}{(a-P_{1})P_{2}P_{3}}\right)$$

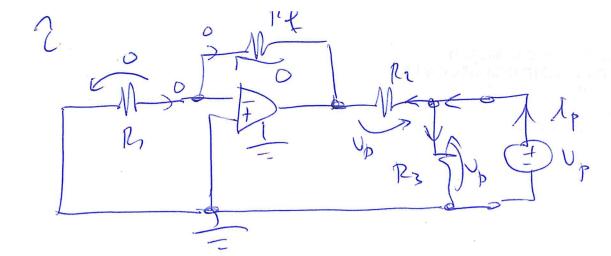
$$R_{4} = \frac{V_{b}}{i_{b}} = \frac{(d - P_{1})R_{1}R_{2}}{-P_{1}R_{3} + (d - P_{1})(P_{3} + P_{2})} = 571 \text{ A}$$

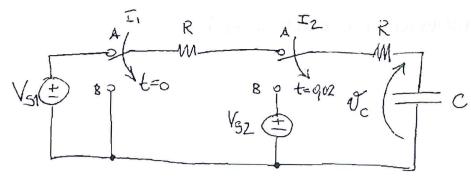


$$\frac{\lambda_{i}(t) = \lambda_{i}(t) - \lambda_{i}(a)}{1 + \lambda_{i}(a)} = \frac{\lambda_{i}(t) - \lambda_{i}(a)}{1 + \lambda_{i}(a)} = \frac{\lambda_{i}(t)}{1 + \lambda_{i}($$

E((-) d) - 1 (/i(2)2-9250]







$$V_{s1}=10V$$
 $R=100 \Omega$
 $V_{s2}=5V$ $C=0,1$ mF
 $V_{c}(t)=?$

TRIMO TRANSITORIO

$$V_{S1}$$
 $=$ $V_{C}(\bar{0}) = V_{S1} = 10 \text{ V}$

$$\int_{-\infty}^{\infty} J_{c}(\infty) = 0 \quad \forall$$

Jufathi per t=0,02 s communte l'internatione Iz, quemoli la formule ve(+) non e' pru'valrela:
debbiamo resolvere un nuevo tronsitorso

SECONDO TRANSITORIO (Internettore Iz)

$$V_c(t) = 10 e^{-50.002}$$
 = $\frac{10}{e} = \frac{10}{2718} = 3,679 V$

$$\begin{array}{c|c} R \\ \hline W \\ \hline \end{array}$$

$$V_{c}(t) = \left[V_{c}(0,02) - V_{c}(\infty)\right] e^{\frac{(t-0,02)}{c}} + V_{c}(\infty)$$

$$\sqrt{c}(t) = \left[3,679 - 5\right] = \frac{(t - 0.02)}{9,01} + 5$$

$$\sqrt{c(t)} = 5 - 1,321e^{-100t+2}$$

per $t \ge 0,02.5$



