24.10, 2011. god,

3-kompletona fretuencija

EK MASS 12

by queen m &

$$U_{c}(t) \circ U(s) = e(s)$$
 $U_{c}(t) \circ U(s) = s \cdot U(s)$ 
 $U_{c}(t) \circ U(s) = \frac{1}{sc} U(s)$ 

$$E(s) = R(s) + sL(s) + \frac{1}{sc}(s)$$

$$O_{c}(s) = \frac{s}{s^2 + 7s + 12}$$
 (po tublici transformocije)

$$S_1 = -3$$

$$S_2 = -4$$

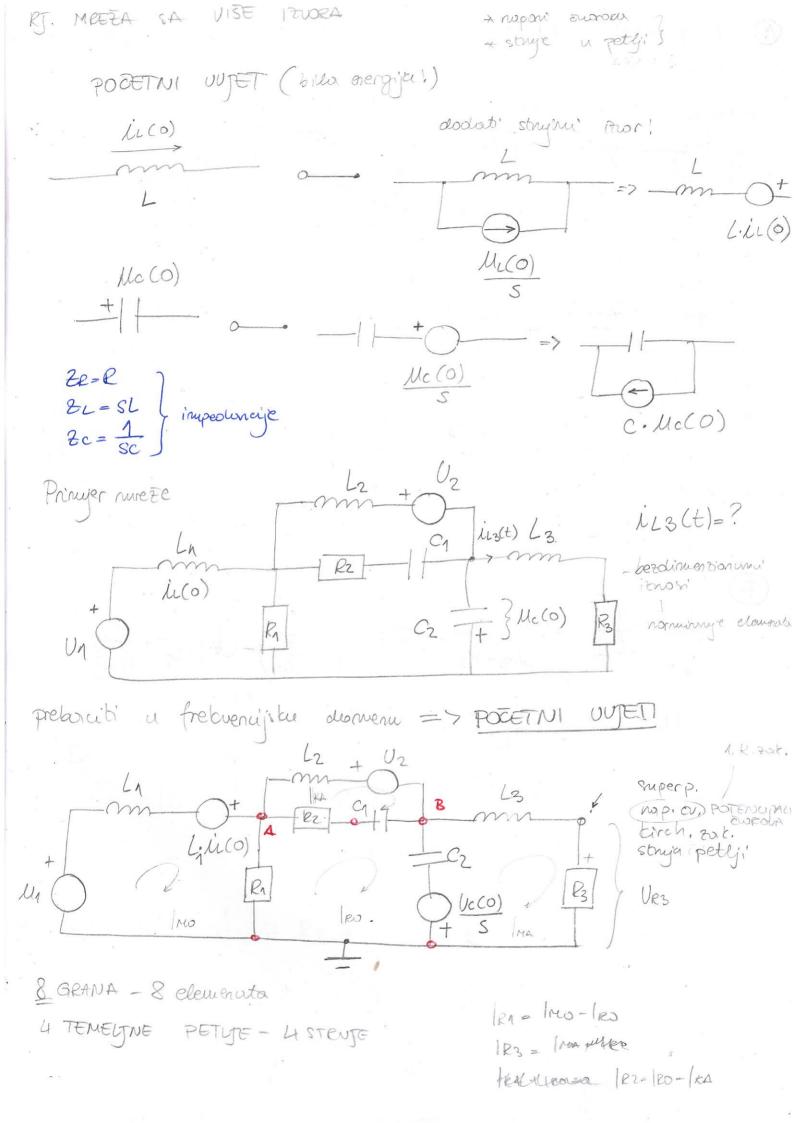
$$\frac{s}{s^2 + 7s + n2} = \frac{A}{s+3} + \frac{B}{s+4} = \frac{As + 4 \cdot A + Bs + 3 \cdot B}{(s+4)}$$

$$A+B=1$$
  $A=1-B$   $4A+3B=0$ 

$$V_{c(s)} = \frac{2s}{s^{2} + 2s + 2} = \frac{2s}{(s+1)^{2} + j^{2}} = \frac{2(s+1) - 2}{(s+1)^{2} + 1^{2}} = \frac{2s}{(s+1)^{2} + 1^{2}}$$

$$S^{2} + 2S + 2 = 3$$
  
 $S_{1,2} = \frac{-2 \pm \sqrt{4 - 8^{1}}}{2} = -1 \pm \frac{1}{3}$ 

$$=\frac{2(s+1)}{(s+1)^2+n^2}-\frac{2}{(s+1)^2+1^2}$$



A VA-potencijal TOOKE A

UL - NAPON NA INDUKTIVITĒTU

MAPONSK I BUOR \_ ZU NOPONIK OTROR U GRAM BLONE

- GRANE OKO OWRA

GRANE ORD GOODA

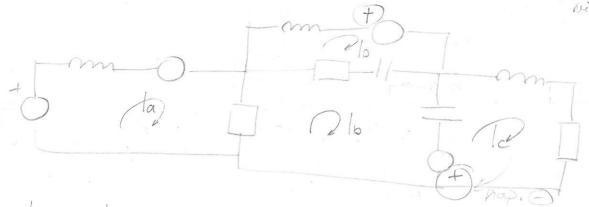
(sum voolgivosti okoluih granu

$$U_{A} \cdot \left(\frac{1}{SL_{1}} + \frac{\Lambda}{R_{1}} + \frac{1}{R_{2} + \frac{\Lambda}{SC_{1}}} + \frac{1}{SL_{2}}\right) - U_{B} \left(\frac{1}{SL_{2}} + \frac{1}{R_{2} + \frac{\Lambda}{SC_{1}}}\right) = voolgivost$$
Susjedni ovoni regotivni!

$$= -\frac{U_2}{SL_2} - \frac{U_c(0)}{S} \frac{C_2 U_c(0)}{S}$$

Rj. gormoch STRUJA PETYT

lo abra a cror = -



R1 = A-13

lailb, le, la - immiginarne strije!

183 = 1c

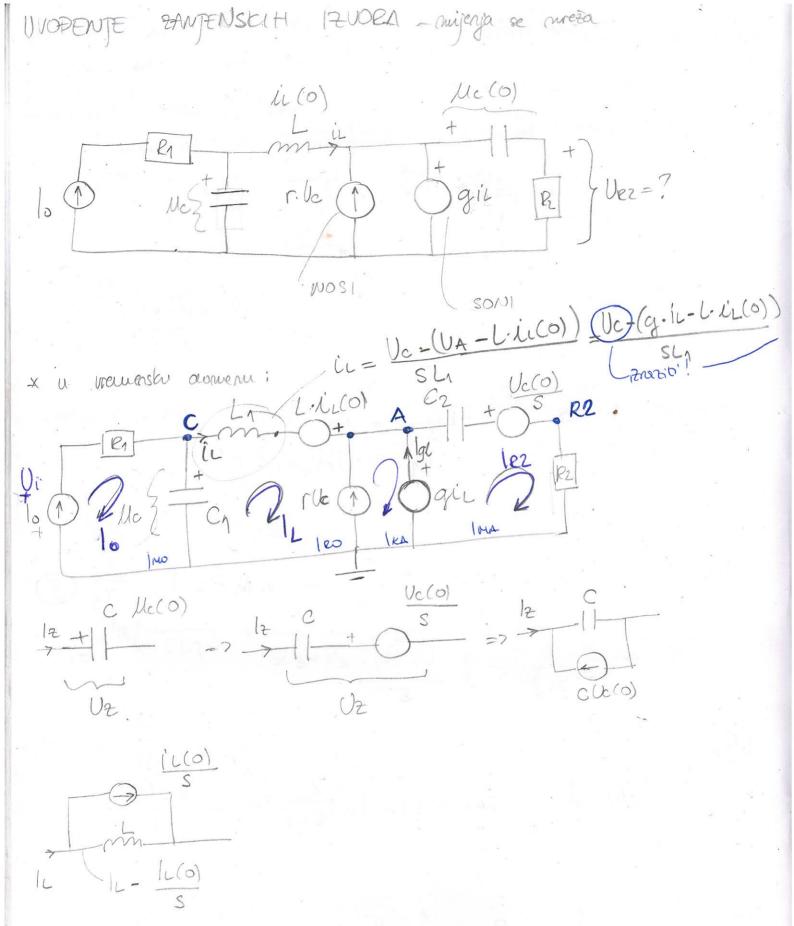
A PETYFE SA S Kojim se str. dodinge ina kojim elem.

(A) [A(SL1+R1)] - 16R1 = U1+L1 in(0)

3) 1/6 (R1+R2+ 1/8C1 + 1/5C2) - /ARI-10 (R2+1/5C1)

$$-\frac{1}{sc_2} = + \frac{v_c(0)}{s}$$

 $\left| c \left( \frac{1}{sc_2} + sc_3 + e_3 \right) - 1b \frac{1}{sc_2} = -\frac{V_0(0)}{s} \right|$ 



A 
$$V_A=q\cdot I_L$$

one sto je u seriji su

D EDDADEBILILI

O Uc  $\left(\frac{1}{R_1} + SC_1 + \frac{1}{SL_1}\right) - U_A \frac{1}{SL_1} = -\frac{i_L(0)}{S} + I_0$ 

PRODUM NE PISENIO U JEDNADEBILILI

(C)  $V_C \left(\frac{1}{R_2} + SC_2\right) - U_A \cdot SC_2 = -\frac{i_L(0)}{S} + I_0$ 

PRODUM NE PISENIO U JEDNADEBILILI

(R2)  $V_C \left(\frac{1}{R_2} + SC_2\right) - U_A \cdot SC_2 = -\frac{i_L(0)}{S} + I_0$ 

PRODUM NE PISENIO U JEDNADEBILILI

(R2)  $V_C \left(\frac{1}{R_2} + SC_2\right) - U_A \cdot SC_2 = -\frac{i_L(0)}{S} + I_0$ 

PRODUM NARON DECONOMINATION

Inuapprovine struje!  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R2)  $V_C \left(\frac{1}{R_2} + SC_2\right) - U_C \cdot \frac{1}{SL_1} - U_{R2} \cdot SC_2 = \frac{i_L(0)}{S} + I_0$ 

Inuapprovine struje!  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R2)  $V_C \left(\frac{1}{R_2} + SC_2\right) - U_C \cdot \frac{1}{SL_1} - U_{R2} \cdot SC_2 = \frac{i_L(0)}{S} + I_0$ 

Inuapprovine struje!  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R2)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R3)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R4)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R5)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R5)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R6)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R6)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R7)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R6)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R7)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R8)  $V_C \left(\frac{1}{R_2} + \frac{1}{R_2}\right)$ 

(R9)  $V_C \left(\frac{1$ 

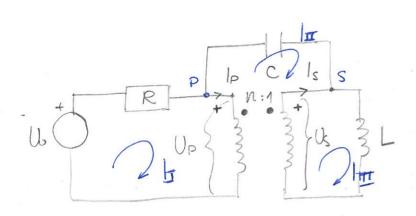
## POJA ČALO

$$|\mathcal{L}| = \infty$$

$$|\mathcal{L}| = |\mathcal{L}| = 0 \text{ A}$$

$$U_{B}\left(\frac{1}{R_{3}}+SC_{3}\right)-U_{R}\left(\frac{1}{R_{3}}\right)=0$$

## TRANSFORMATOR



$$t_2: |p=\frac{1}{n}|s$$

P 
$$U_P \left(\frac{1}{R} + sc\right) - U_S \cdot sc = \left|\frac{U_0}{R} - I_0\right|$$

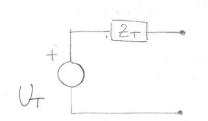
3 Us ( 1 + sc) - Up. sc = 1s

4 jedn. s 4 nepozn.

REKUNDARA !!!

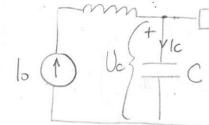
NADOMTESNOG

1 NORTON THEVENIN



$$2\tau = 2\nu = \frac{1}{9\nu}$$

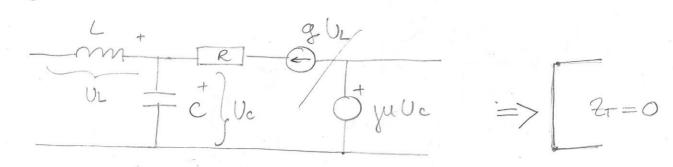
$$E_T = \frac{1}{2} \cdot 1N = \frac{1}{y_N}$$



$$10 = 1c + 2 = \frac{1}{5} - 2$$

$$U_{c} = [c \cdot \frac{1}{sc} = \frac{1}{s} \left[ \frac{1}{s} - 2 \right] = \frac{1}{s^2} - \frac{2}{s}$$

\* nadques m nureza

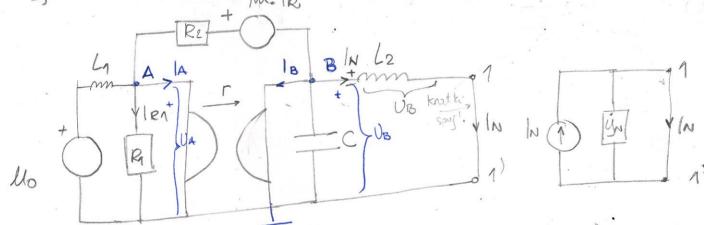


$$U_{T} = \frac{1}{S^{2}} - \frac{2}{S}$$

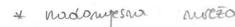
GIEATOR: g1: UA=1.1B

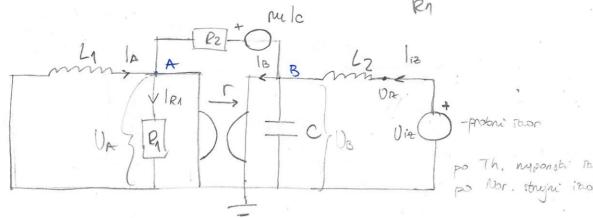
g2: UB = - (. ) A

Peintee 2



$$N = \frac{V_B}{SL_2}$$





$$V_{N} = \frac{1}{V_{it}} = \frac{V \cdot [?]}{V_{it}}$$

(A) 
$$O_A(\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{SL_1}) - V_B(\frac{1}{R_2}) = \frac{m \cdot lc}{R_2} - l_A$$