(A)

HASOUNE EK 2010/2011

Laplace:
$$\delta(f) \circ \circ 1$$

$$s(t) \circ \circ \frac{1}{s}$$

$$ke^{-at} \circ \underbrace{k}_{s+a}$$

$$ke^{-0t} s_{in}(wt) \circ \circ \underbrace{k}_{(s+\sigma)^2 + w^2}$$

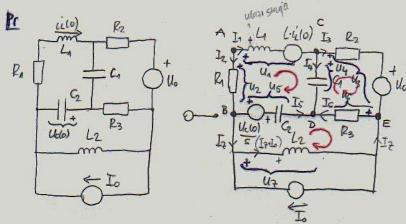
$$k \cdot e^{-0t} cos(wt) \circ \circ \underbrace{k}_{(s+\sigma)^2 + w^2}$$

Otpor:
$$u(t) = R \cdot I(t)$$
 $u(s) = R \cdot I(s)$ $t_r = R$

Lauginica: $L \cdot di$
 dt
 $u(s) = sL \cdot I(s)$ $t_r = sL$

Kondent: $\int_{c}^{t} \int_{c}^{t} i(t) dt$
 $u(s) = \int_{sC}^{t} I(s)$ $t_r = sL$

$$\begin{bmatrix}
\frac{1}{5} & \frac$$

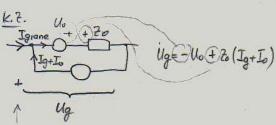


6 nacina: KZN, KZS, Norton, Therenin, Konturne Straje

Grana koliko elemenata - 7

Un= (17+10). sl2

Cuorova - 5

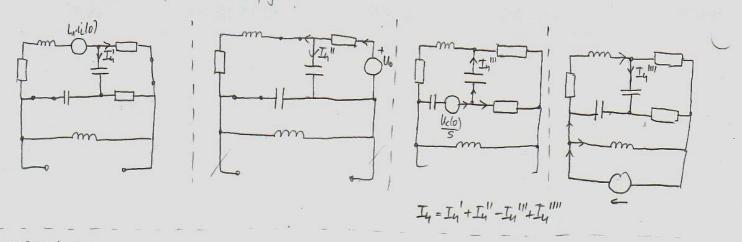


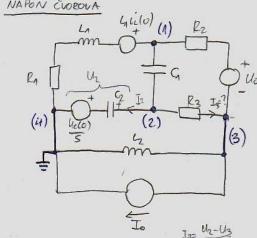
su plusevi's give stiane > stavino +

$$(III)$$
 $U_5 - U_6 - U_7 = 0$

Superpozicija - Broj iješavanja = Broju nezavisnih izvora + broj početnih uvjeta

strujni odspajamo, noponski tratko spojimo





(1) Indepare Vadiquivost =
$$U_A \cdot \left[\frac{1}{R_A + SL_A} + SC_A + \frac{1}{R_2}\right] - \phi - U_2 SC_4 - U_3 \frac{1}{R_2} = \frac{L_A \cdot i_2(0)}{R_A + SL_A} + \frac{U_0}{R_2}$$

$$= \frac{1}{C_A + SL_A} + \frac{1}{R_2} - \phi - U_2 SC_4 - U_3 \frac{1}{R_2} = \frac{L_A \cdot i_2(0)}{R_1 + SL_A} + \frac{U_0}{R_2}$$

$$= \frac{1}{C_A + SC_A} + \frac{1}{C_A} - \frac{1}{C_A} = \frac{U_0(0)}{C_A + SC_A} + \frac{1}{C_A} - \frac{1}{C_A} = \frac{U_0(0)}{C_A} + \frac{1}{C_A} - \frac{1}{C_A} = \frac{U_0(0)}{C_A} + \frac{1}{C_A} + \frac{1$$

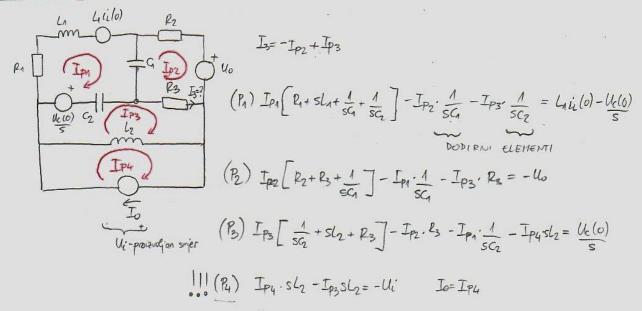
(21)
$$U_2 \left[sC_2 + sC_3 + \frac{1}{R_3} \right] - \phi - U_1 sC_1 - \frac{U_3}{R_3} = \frac{U_c(0)}{\frac{s}{R_3}}$$

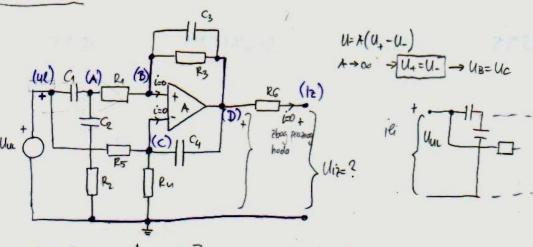
 $\frac{1}{cvor(1)} \frac{1}{cvor(2)} = \frac{U_c(0)}{\frac{s}{R_3}}$
(3) $U_3 \left[\frac{1}{R_2} + \frac{1}{R_3} + \frac{1}{SL_2} \right] - \phi - U_1 - U_2 \cdot \frac{1}{R_3} = \frac{U_c(0)}{\frac{s}{R_3}}$

(3)
$$U_3 \left[\frac{1}{R_2} + \frac{1}{R_3} + \frac{1}{Sl_2} \right] - \phi - \frac{U_A}{R_2} - U_2 \cdot \frac{1}{R_3} = \frac{-l_0}{R_2} - \frac{1}{Some représence}$$

(1) (2) Some représence staying Parole

STEUJA PETYI





(A)
$$U_{A}\left[SG_{1}+\frac{1}{R_{2}+\frac{1}{SG_{2}}}+\frac{1}{R_{1}}\right]-U_{U_{1}}\cdot SG_{1}-U_{B}\cdot \frac{1}{R_{1}}=\phi$$

(B)
$$U_{8}\left[\frac{1}{R_{4}} + \frac{1}{R_{3}} + SC_{3}\right] - U_{4} \cdot \frac{1}{R_{4}} - U_{5}\left[\frac{1}{R_{3}} + SC_{3}\right] = \emptyset$$

(c)
$$U_{c}\left[\frac{1}{R_{5}} + \frac{1}{R_{4}} + sC_{4}\right] - U_{uc} \cdot \frac{1}{R_{5}} - U_{0} sC_{4} = \emptyset$$

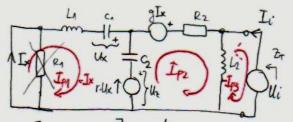
brane bye ne tramo topical

$$(0) U_0 \left[\frac{1}{sL_4} + \frac{1}{R_1} \right] - U_8 \cdot \frac{1}{sL_4} - \phi = I_{\times}$$

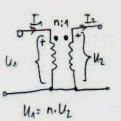
$$(8)$$

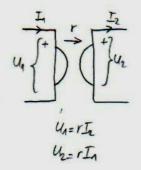
$$|V_{2}| = |V_{3}| = |V_{4}| = |V_{5}| = |V_{$$

$$\begin{array}{c|c}
\hline
 & I_{\times}(0) & I_{1} \\
\hline
 & I_{\times}(0) & I_{1} \\
\hline
 & I_{\times}(0) & I_{\times}(0) \\
\hline
 & I_{\times}(0) & I$$

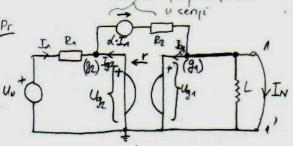


Gijator, transformator, NC...





4



2) Kratko spojiti 1-1', IN=?

$$U_{g_1} = rI_{g_2}$$

$$I_{g_1} = \frac{U_0 - U_{g_2}}{R_1}$$

$$U_{g_2} = rI_{g_2}$$

$$U_{g_3} = rI_{g_4}$$

$$U_{g_4} = rI_{g_2}$$

