PRIPREMA ZA ISPIT

UV- = -14 - Rx + DU

Dig. voltmotor => M.O = loomV RV = 10.M.IZ

Analogni compermetor => M.O = 1 A

Micrenje => 1A = 9925 A

Uv+ =22, 61mV Uv-= -23, 57mV

Y UV = UV+ - UV- = HARX+BU+1ARX-BU = LAORX Uv+ = IA.Rx+ AU

 $= > R \times = \frac{1}{2L_4} \cdot (U_{V+} - U_{V-})$ 

 $R_{x=} = \frac{2^{2}, 61 - (-23, 57)}{2 \cdot 0.925A} = R_{x} = 24, 96 m D$ 

C= 100n F  $\frac{1}{9} \int_{0}^{2} = 9.2 \times 10^{6}$  (\xi - 40H2) Rx  $U_0 = 50V$   $U_C = \frac{U_0}{2}$   $\Delta^{+} = 22s$ R V = 10 G.L  $\Omega_{\chi} = ?$ 

Mc = e Rc/lu => lu ( Uc) = + Rc  $R = \frac{-\Delta^{\frac{1}{4}}}{e \cdot lu\left(\frac{u_c}{u_n}\right)}$   $R = \frac{-225}{100 \times 10^{-9} \cdot lu\left(\frac{1}{2}\right)} = 317.39 \text{ M.s.}$ 

herel is spoj sklopla

 $R = (P') \| (Rx) \longrightarrow \frac{P' \cdot Rx}{P' + Rx}$   $R' = (\frac{1}{Pv} + \frac{1}{Pd})^{-1} = \frac{Pa \cdot Pv}{Pv + Pd}$   $R' = (\frac{Pd \cdot Pv}{Pv + Rd}) \cdot Px$  Rv + Pd + Rxoffor redacje Rd izlanzi iz tangcusa kuta Rd= 1 2Th-c-tgs gulitala kion deusatora

Rd=4,32 G. 12  $\rightarrow R' = \frac{Rd \cdot RV}{RV + Rd} \rightarrow R' = 3,019GD$  $R = \frac{R' \cdot Rx}{p' + ex} \rightarrow Rx = 354,678 M R$ 

 $\int_{1} = \int_{2} \longrightarrow R_{1} \cdot C_{1} = \frac{R_{2} \cdot R_{V}}{R_{2} + R_{V}} \cdot C_{V}$   $C_{1} = \frac{R_{2} \cdot R_{V}}{R_{2} + R_{V}} \cdot \frac{C_{V}}{R_{A}} \longrightarrow \left[C_{1} = 16.34 \, \rho F\right]$ 

Mo. 20V (voltmetorr)

$$G = \pm (0,1)$$
 ad octavy  $0 + 0,05$   $0 + 0$ 
 $M = \pm (0,1)$  ad octavy  $0 + 0,05$   $0 + 0$ 
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$$N=10 \qquad \text{Ux} = 15V \qquad \text{Su} = 0.02$$

$$1x = 0.14 \text{ A} \qquad \text{SI} = 0.01$$

$$\Rightarrow \frac{15}{0.14} \qquad \text{Rx} = 37.5 \Omega$$

$$\text{Mature} = \frac{5u}{\sqrt{n}}$$

$$U(Ux) = \sqrt{U_{A}(Ux)^{2} + U_{B}(Ux)^{2}} = 15.73 \text{mV}$$

$$U(Ix) = \sqrt{U_{A}(Ix)^{2} + U_{B}(Ix)^{2}} = 4.7 \text{mA}$$

$$U(I_x) = \sqrt{U_x(I_x)^2 + U_x(I_x)^2} = \frac{1}{4} \cdot \frac{7mA}{Ma}$$

$$U_c(R_x) = \sqrt{\frac{m}{2} \left(\frac{3R_x}{3x} \cdot U(x_i)\right)^2}$$

2Rx = 1 2Ux Ix

 $\frac{2kx}{2tx} = Ux$ ,  $\left(\frac{-1}{Tx^2}\right)$ 

$$R \times_{1} \mathcal{N}(R_{x}) = ?$$

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$$R \times_{2} \frac{Ux}{Ix} = \frac{15}{0.14}$$

$$R \times_{3} = \frac{15}{0.14}$$

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$$R \times_{1} = \frac{15$$

Steud. Mesigurmist UA NALUX) = Su NA (IX)= SI UA(Ux) = 6,32×103 UA(Ir) = 3,16×103

Stend ungurnost 
$$U_B$$
 $U_B = \frac{\alpha}{13}$ 
 $U_B (U_X) = \frac{\alpha}{120}$ 
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$$\mathcal{U}_{\mathcal{S}}(L_{\ell}) = \frac{2/5}{100} \cdot \frac{1.2}{3} = \frac{3.46 \times 10^{-3}}{100}$$

$$= > \mathcal{U}_{\mathcal{L}}(R_{x}) = \sqrt{\left(\frac{1}{1x} \cdot \mathcal{U}(ux)\right)^{2} + \left(\frac{-ux}{1x^{2}} \cdot \mathcal{U}(x)\right)^{2}}$$

Myerni resultat supreyemo kow: 
$$R \times = 37.5 \text{ s. u.e. } Uc (Rx) = 0.44 \text{ s. l.}$$

ili  $U_c(Rx)_{\chi} = \frac{U(R)}{Rx} = 1.14 \text{ f.} \rightarrow \text{u.e. } 1.17 \text{ f.}$ 

(Uc(Rx) = 0,44,12)

In the problem is now 
$$|V_{V}| = G_{1}SV$$
 $V_{V} = G_{1}SV - Odder_{0}$  of  $G_{1}V_{1}S$ )

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 $V_{V} = G_{1}SV - Odder_{0}$  of  $G_{1}V_{1}S$  of  $G_{2}V_{2}S$  of  $G_$