

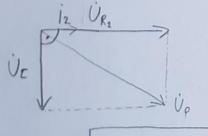
$$100$$
  $R_1$ 

$$\frac{2p_1 = \chi_{L2}}{2p_2 = \chi_{L2}} - MNE 200000$$

$$\frac{2p_2 = \chi_{L2}}{\chi_{C} = 10 - 10j \Omega}$$

$$MOPON NO OBSE 60000 COMMUNICATION$$

MORON NO OBSE FRANE PORSLECE MORO BITI JEANOK, TJ. VRISEOI:



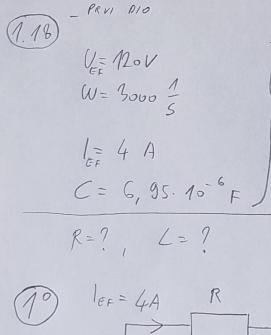
$$|\dot{U}_{P}| = \sqrt{(|\dot{i}_{2}| \cdot |R_{2}|)^{2} + (|\dot{i}_{2}| \cdot |\chi_{c}|)^{2}}$$

$$|\dot{v}_{P}| = |\dot{v}_{L2}| = |\dot{i}_{1}| \cdot |\dot{X}_{L2}|$$

$$|\dot{X}_{L2}| = \frac{|\dot{v}_{P}|}{|\dot{i}_{1}|} = \frac{2 \cdot v}{1 \cdot A} = 20 \cdot \Lambda$$

PRETROSTOVIT ÉEMO MUT STRUSE in

$$|\dot{U}| = 10 \sqrt{10} = 31,623 V = U_{V}$$



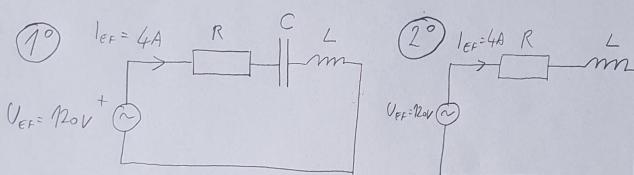
$$W = 3000 \frac{1}{5}$$

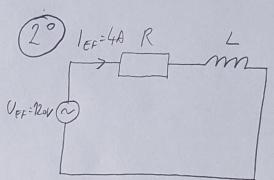
$$V_{c} = \frac{-1}{wc} = \frac{-1}{3000 \frac{1}{5} \cdot 6,95 \cdot 10^{-6} F}$$

$$V_{c} = 4 A$$

$$V_{c} = 47,962 / -900 \Omega$$

$$X_{c} = 47,962 / -900 \Omega$$





AMPERMETOR POHOZUJE EFENTIVNU VRIDEON-ST STRUJE, STO ME ZNOTI DO POSVE ISTO STRUND PETE U OBA SCUTOSA, MEGO SOMO DO JE EFENTIMO VKISEONOST TE STRIJE 1872 U OBO SCUTOJO.

UEF = |EF. |2| =7 /2/= UEF =7 AND JE UEF / IEF JEDMOND
UEF = |EF. |2| =7 /2/= UOBD SEVEDDO, MOND BIDI / 121.

$$\frac{1}{2} = R + X_c + X_c$$

$$\frac{2}{2} = R + X_{L}$$

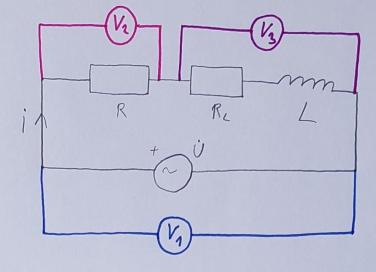
$$\frac{1}{2} = \frac{1}{2} = \frac{$$

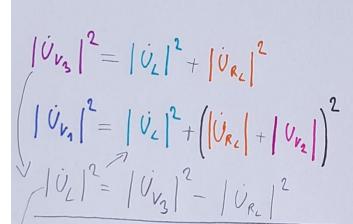
$$|X_{L}| = WL = > L = \frac{|X_{L}|}{w} = \frac{23,981 \text{ r}}{3000}$$

$$[L = 8 \text{ m} H]$$

$$|z|^2 = |x_L|^2 + |R|^2 = 7 |R| = \sqrt{|z|^2 - |x_L|^2} = \sqrt{30^2 - 23,981^2} = 185$$
  
 $R = 18 [0^{\circ}]$   $T$   $R = 185$ 

$$\begin{array}{c|c}
 \hline
 1,19 \\
 |V_{v_1}| = 36V \\
 |V_{v_2}| = 20V \\
 |V_{v_3}| = 22,4V \\
 R = 10 JL \\
 f = 50 H_7
 R_L, L = ?$$





$$\frac{2|\dot{v}_{R_{L}}||\dot{v}_{V_{2}}| = |\dot{v}_{V_{1}}|^{2} - |\dot{v}_{V_{2}}|^{2} - |\dot{v}_{V_{2}}|^{2}}{|\dot{v}_{R_{L}}| = \frac{|\dot{v}_{V_{1}}|^{2} - |\dot{v}_{V_{2}}|^{2} - |\dot{v}_{V_{2}}|^{2}}{2|\dot{v}_{V_{2}}|} = \frac{36^{2} - 20^{2} - 224^{2}}{2 \cdot 20} = \boxed{9,856 V}$$

$$|\dot{v}_{L}| = \sqrt{|\dot{v}_{v_{3}}|^{2} - |\dot{v}_{R_{L}}|^{2}} = \sqrt{22,4^{2} - 9,856^{2}} = [20,115]$$

$$\left|i\right| = \frac{\left|i\right|_{v_1}}{\left|\mathcal{E}\right|} = \frac{20V}{10n} = \boxed{2A}$$

$$|R_L| = \frac{|\dot{U}_{R_L}|}{|\dot{I}|} = \frac{9,856V}{2A} = 4,928 \Omega$$

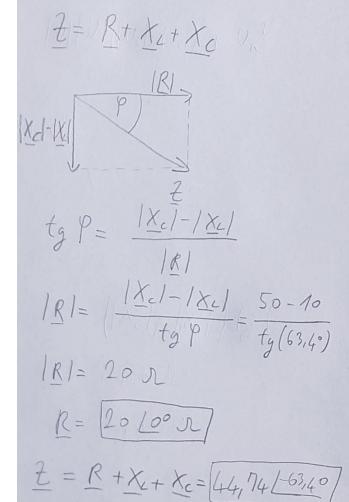
$$|X_L| = \frac{|U_L|}{|I|} = \frac{20,115 \, V}{20} = [10,0575 \, \Omega]$$

$$|X_L| = WL = 7L = \frac{|X_L|}{W}$$

$$L = \frac{10,0575 \, \text{r}}{2\pi \cdot 50 \, \text{Hz}} = \frac{32,01 \, \text{mH}}{32,01 \, \text{mH}}$$

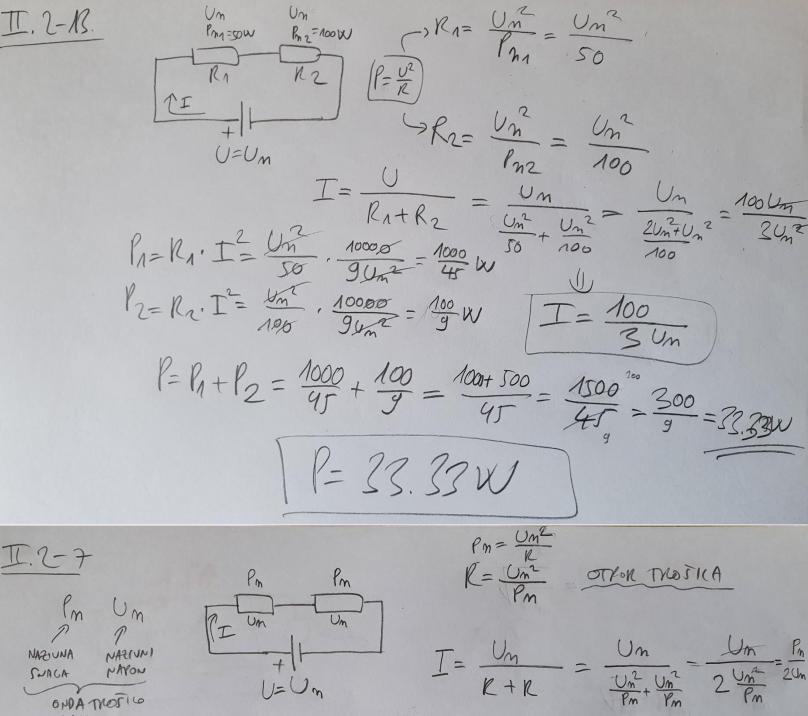
$$\frac{\chi_{L}}{\chi_{C}} = \int_{WC}^{1} WL = \int_{0}^{1} 400.25.15^{-3} \frac{H}{5} = 10j \text{ N} = 10190^{\circ} \text{ N}$$

$$\frac{\chi_{C}}{\chi_{C}} = \frac{1}{4000} \frac{1}{5}.50.10^{-6} = -50j \text{ N} = 50190^{\circ} \text{ N}$$



$$\frac{2u_{1}}{2} = \frac{R + X_{L} + 2}{2u_{1} - R - X_{L}}$$

$$\frac{2}{2} = \frac{2u_{1} - R - X_{L}}{2u_{1} - 2u_{2} - 2u_{3}}$$



RADI OK NA ZADNOM NAMONU =  $I = \frac{Pn}{2Un}$ 1 Stres1 NPK. ZAKUSA Ruk = R+R = Um + Um = 2 Um
Pm = 2 Pm SUIJETUI NAJBOLJE Pux= I? Rux = Pm 2 Um = Pm = 2 AICO NAPON/STRUM IDE MELCO NAZIVNIH MOZE 1 VILLEGROSTI Pok= Pm Puk=P1+P2 ONDA POLATI KVAFOVA, PREGRUJAVANJA

