(7.) C1=0,001 (2=0,001)
U(U) Ta [12=1000]
[1] R2=1000 cu=1000 (U=90V u= U.sin (w+) Uracle fictory posur meri fictory Ua Uaz Totalijene spocitat URQ. Plati: URZ=Ra·IRZ Proud Irez spacifoline pomoci smythogen proude Ia, Ib. Plet Ib=Iez Pozn: C1=C2=C RI=RZ=R 100 - Ia + Ra. (Ia-Ib) - U=0 Juc. Ib + Ra. Ib + Ra. (Ib-Ia)=0 Ia. (jwc + R) + Ib. (-R) = 0 U Ia. (-R) + Ib. (2R+jwc)=0 $D = \left| \frac{1}{jwc} + R - R \right| = \left(\frac{1}{jwc} + R \right) \left(2R + \frac{1}{jwc} \right) - R^2 =$ = \frac{1}{iwc} - \frac{1}{w^2C^2} + 2R^2 + \frac{R}{iwc} - R^2 = R^2 + \frac{3R}{iwc} - \frac{1}{w^2C^2} $T_{b} = \begin{vmatrix} \sqrt{1} & \sqrt{1} & \sqrt{1} & \sqrt{1} \\ -R & 0 \end{vmatrix} = \frac{U \cdot R}{0^{2} + 3R} = \frac{1}{0^{2} \cdot 3R$ $= \frac{90.10^{6} \cdot ((1.6^{6}-1)+3.10^{3})}{(1.6^{6}-1)^{2}+9.10^{6}} = 89,99928+0,26999811;$ Vyjadrime obrad ganoci tol zori: A otochne tak, aby U lezelo na ase x Plet: to 4= In =) 4= arcty Re = 3.153 red