$\frac{2024}{2}$   $i'=i\cdot\frac{7}{7+4+3}=\frac{7.5}{14}=2.5A$  $\frac{2}{10} = \frac{2}{10} = \frac{2}{10}$ ilt= 20 (01 (1000t - 100°) = I = 20 1-100° Z<sub>L</sub> = 100 10<sup>-3</sup>. 5 | = 5 | Z<sub>c</sub> = -/ wc | = 100 1 | = -5 |  $= \frac{1}{2} = \frac$  $T = \frac{\sqrt{g}}{2eq} \cdot \frac{(-5i)}{7+\sqrt{i}-\sqrt{i}} \Rightarrow \sqrt{g} = (1 \cdot 7 \cdot 2eq)/(-5i) = 156,89-169,82i = 231,2 \frac{1-47,26}{2}$ V3(t)= 231, 2 (OS (1000 £ - 47, 26)) Ig = 28[-10.  $S_S = \frac{1}{2}V_S I_g^* = 0.5 \cdot 231, 2 \left[ \frac{-47,26}{28} \cdot 28 \right] \frac{10^\circ}{10^\circ} = 3236,8 \left[ \frac{-37,26}{2576,15} - \frac{1959,6}{15} \right]$  $V_1 = V_2 = V_3 = 1 W V$  $W = 100 W = |V_1| \cdot |I| \cdot (os(V_1, J)) = \overline{|II| = 1,154A.}$  $|\overline{IZ_L}| = \frac{|V_3|}{|\overline{IJ}|} = \frac{|W|}{|\overline{ISY}|} = 86, 6 = \omega L \Rightarrow |\overline{L}| = 0,275H$  $|Y_{RC}| = \frac{|II|}{|V_{A}|} = \frac{1,154}{|I|} = \frac{1}{R} + \omega G' = \frac{1}{N} \left(\frac{1,154}{|I|}\right)^2 = \left(\frac{1}{|I|}\right)^2 + \left(\omega C\right)^2 = \frac{1}{N}$ 

100 = V2 =>[R=1W.R]

