

$$I_2 = \frac{U}{WL} = \frac{500}{5} = 1002 A$$

 $I_3 = 502 A$ $I_3 = 502 \angle 25$

$$0^{\frac{1}{10}} = 10 \frac{10^{\circ}}{10^{\circ}} = \frac{10 \frac{10^{\circ}}{10^{\circ}} = \frac{10 \frac{10^{\circ}}{100}}{100} = \frac{1000 + 3100}{100}}{1000 + 3100} = \frac{1000 + 3100}{1000 + 3100} = \frac{1000 + 3100}{1000} = \frac{10000 + 3100}{1000} = \frac{10000 + 3100}{1000} = \frac{10000}{1000} = \frac{1000}{1000} = \frac$$

$$\int_{-\infty}^{\infty} \frac{1}{10^{3}} \frac{1}$$

$$485.7c = \frac{1}{21808}$$

$$C = 6.57 \times 10^{7} F$$

$$= 0.657 \mu T.$$

$$\begin{array}{c|c}
\hline
i, & \\
\hline
\downarrow & \\
\hline
\downarrow$$

$$\frac{(-1)}{10-5} \times 10 + 000 = \frac{5}{10+5} \times 10$$

$$= 0.$$

$$\dot{I} = \frac{10/0^{\circ}}{10 - 5j} = \frac{2}{\sqrt{5}} \left(\frac{26.57^{\circ}}{5} \right)$$

$$\dot{I}_{2} = \frac{10/0^{\circ}}{5j + 10} = \frac{2}{\sqrt{5}} \left(\frac{-26.57^{\circ}}{5} \right)$$

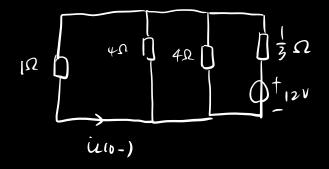
$$\dot{O}_{02} + 10 \dot{I}_{2} - 10 \ddot{I}_{1} = 0$$

$$\dot{I}_{1}\cdot(-\dot{j}25)=\dot{I}_{R}(\dot{j}X_{L}+20)=\dot{0}$$

$$\dot{I}_{s} = \dot{I}_{1} + \dot{I}_{R} \qquad I_{R} = I_{s}$$

$$\dot{I}_{1} \qquad \dot{I}_{2} \qquad \dot{I}_{3} \qquad \dot{I}_{4} \qquad \dot{I}_{5} \qquad \dot{I}_{6} \qquad \dot{I}_{7} \qquad \dot{I}$$

$$|z_0+j\chi_1| = \frac{(20tj\chi_1) \cdot (-\chi_j)}{20+j\chi_1-2jj}$$



$$I_7 = \frac{12}{\frac{1}{5} + 1||\psi||\psi} = 12A$$
. $i(0) = 12 \times \frac{2}{2+1} = 8A$