



















**ニ**ク フノバ

and 6 elt)= 12 cos (1000t + 17) E(t)=EmcosCut+P) 21-300 N 22 = 100 A L= 20mH= 20.163 C=50.10-6,F w=1000°  $x_{c}=0,02.1000=20$  } reany  $x_{c}=\frac{1}{50.766.1000}=20$ Em=16V p = 42517 Lu = 1 - 1 - 100=103  $C = 12 (\cos 45^{\circ} + j \sin 45^{\circ}) = 12 (\frac{527}{2} + j \frac{\sqrt{2}}{7}) = 652 + 652 j$  $u = C \cdot \frac{100}{100 + 360} = (612 + 612) \cdot \frac{17}{4} = \frac{3}{2} \sqrt{1} + \frac{3}{2} \sqrt{2}$  $|I| = \sqrt{0,106^2 + 0,106^2} = 0,750 = 150m A$ i(t)= 150 ces/ut + \$57) Zeed 7 1)  $5 = \frac{90+10}{2} = 50$   $5 = \frac{u_{SK}^2}{|Z_1|}$ 3) /Z2) = (x22 +n2) gusx = 90W 4512 =46 V x, =36 12c/=50 SO= (4/2/1/2) PM/ = -10W  $\frac{y^2}{2} = \frac{40}{30} = \frac{x_1}{2} = \frac{4}{3}$ SO= 5 25 7 US 2-50V 2) 0-90-70 =40 \$ 12=SO S= Jol + pl e-302 x1=42 Q=JSZ-p2/= - (So240L7=30

Zeed.9  $u(t) = (4+2\cos w_{6}t + \cos (2w_{0}t + \frac{t}{3}))V$   $t(t) = (2+2\cos (w_{0}t + \frac{t}{3}) + \frac{1}{2}\cos (2w_{0}t - \frac{t}{3}))A$   $P = U \cdot t \cdot \cos G$   $P = (4\cdot2+2\cdot2\cdot\frac{1}{2}\cdot\cos (0+\frac{1}{4})+\frac{1}{2}\cdot\frac{1}{2}\cdot\cos (336-66)$   $- (9+7), \quad (7-9+1)$ 

P= 9.2+262 asloras 22 asl 330-609 = 8+265 = 9,41 A