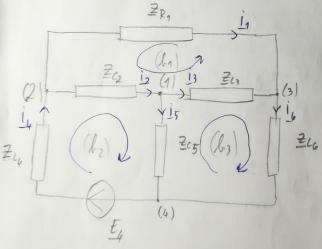


ly = 40 min (wx+ 370) V R1=1052 C2 = 1000/20 MF L3 = 100/20 mH 4 = 100/2 m H C5 = 1000/2 p F L6 = 100/2 m H W= 100 T ( 4= 50 Hz)



$$\frac{Z_{C_{3}}}{Z_{C_{3}}} = \frac{100}{100 \times \frac{1000 \cdot 10^{-6} F}{2}} = -10j$$

$$\frac{Z_{C_{3}}}{Z_{C_{3}}} = \frac{100 \times \frac{1000 \cdot 10^{-6} F}{2}}{100 \times \frac{1000 \cdot 10^{-6} F}{2}} = -10j$$

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$$\frac{Z_{C_{3}}}{Z_{C_{3}}} = \frac{1000 \times \frac{1000 \cdot 10^{-6} F}{2}}{1000 \times \frac{1000 \cdot 10^{-6} F}{2}} = -10j$$

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$$= \frac{100 \times .1000}{100 \times .10^{-6}F}$$

$$= -10j$$

$$= 10j$$

$$= 10j$$

$$= 20\sqrt{2} \cdot (-\sqrt{2} + j\sqrt{2})$$

$$= 20(-1+i)$$

 $j = 2j = \sqrt{2^2 + 0^2}$ , e jarety  $\frac{2}{0} = 2.2j.\frac{\pi}{2}$ ig(t)= 2 12 min (100元 大+ 芸)  $\frac{1}{2} = -1 - j = \sqrt{(-1)^2 + (-1)^2}$  , e jarely  $1 = \sqrt{2}$  e  $j \neq \frac{\pi}{4}$ 12(t)= 2 in (100 t + #1)  $i_3 = 1 - j = \sqrt{1^2 + (+1)^2}$  .  $\ell$  g and  $\ell$  =  $\sqrt{2} \ell$   $\ell$   $\ell$   $\ell$ iz (x) = 2 in (100 x d - 1) 14=-1+j= \(\frac{1}{(-1)^2+1^2}\) & janty -1 = \(\frac{1}{4}\)) 14(d)= 2 mm (100 re t - 74)  $\frac{1}{5} = -2 = \sqrt{(-2)^2 + 0^2}$  & if wrety  $\frac{6}{2} = 2 \cdot 6 \cdot 0$ is(t)= 252 mm (100 tt t) 16 = 1+j = \12+12 e jarely 1 = 52 e j# ig (1) = 2 im (100 n t + 1)