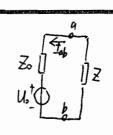
## 消事大学

佛戴维南定理



求**期**阻抗 { İab= İ'+İ' | Üab= İ'Rz+9İ= İRz+İ(jXc) Zo= Wab = 0.12+j2.16\_52

1 = 3 = 2 = 0.12 - j2.16.52 HJ  $P = P_{max} = \frac{1001^2}{4 \times 0.12} = 6375W$ 

(2) 
$$\psi = 45^{\circ}$$
 (os  $\psi = 0.70$ )  $P = UI \cos \psi = 342W$   $Q = UI \sin \psi = 350 \text{ Var}$   
(3)  $V = tun^{-1}(\frac{20}{50}) = 34.7^{\circ}$  (or  $V = 0.90$ )  $V = 0.90$ 

(3) 
$$\psi = tun^{-1}(\frac{20}{40}) = 26.6^{\circ}$$
 (05 $\psi = 0.894$   $P = UI (8) \psi = 1000W$   $Q = UI \sin \psi = 500 Var$ 

.' S= Ùİs\* = 1270+j6∞ VA (发出)

$$\overrightarrow{i}$$
  $\xrightarrow{j}$   $\overrightarrow{z}_{i}$   $\xrightarrow{z$ 

## 消草大学

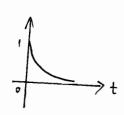
设立= 
$$I_1Z_1 = I_2O+J_1SOV = I_192L_51.3^{\circ}V$$

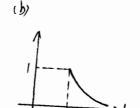
$$|I_2| = \frac{P}{IU_1(cos)} = 3.72A \qquad P_{I_2} = 51.3^{\circ} - arccos 0.7 = 5.7^{\circ}$$

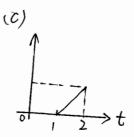
$$(\vec{1} = \vec{1}, t \vec{1}_2 = 18.7 + j 0.4 A = 18.7 < 1.2^{\circ} A)$$

$$(0-1. (a))$$
  $f(t) = t[E(t)-E(t-1)] + (2-t)[E(t-1)-E(t-2)]$ 









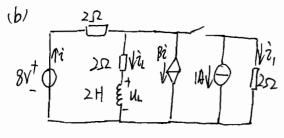
$$3-3$$
 (a)  $\int_{-\infty}^{\infty} e^{t} S(t-3) dt = e^{t} |_{t=2} = e^{2}$ 

(b) 
$$\int_{-\infty}^{\infty} (t+sint) d(t+\frac{\pi}{3}) dt = (t+sint) \Big|_{t=-\frac{\pi}{3}} = -1.9$$

(C) 
$$\int_{-\infty}^{\infty} \int (t-t_0) \mathcal{E}(t-2t_0) dt = \mathcal{E}(t-2t_0) \Big|_{t=t_0} = 0$$
 (to>0)

## 消事大学

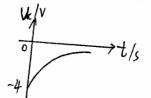
$$U_{c}(o^{+}) = /oV$$
  
 $O^{+}$  好刻  $S \dot{\tau}_{i} + \dot{\tau}_{c} = -\dot{\tau}_{S}$   
 $\frac{|o\dot{\tau}_{i}|^{2}}{|o\dot{k}\cdot\dot{\tau}_{i}|^{2}}$   $\frac{|o\dot{k}\cdot\dot{\tau}_{i}|^{2}}{|o\dot{k}\cdot\dot{\tau}_{i}|^{2}}$ 

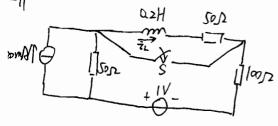


$$\begin{cases} \dot{z} = \dot{z}_L + \beta \dot{z} + 1 A + \dot{z}_1 \\ 8V = 2\Omega \cdot \dot{z} + 2\Omega \cdot \dot{z}_1 \end{cases}$$

$$U_{L} + \lambda_{L} \cdot 2\Omega = \lambda_{L} \cdot 2\Omega \qquad \qquad \vdots \qquad U_{L} (0^{+}) = 7V$$

" 
$$V_c(t) = -4e^{-\frac{t}{0.05}}V = -4e^{-20t}V$$
.





$$\overline{L} = \frac{L}{R} = \frac{0.2H}{Jop} = 0.004s$$

$$\overline{L} = \frac{L}{R} = \frac{0.2H}{50\Omega} = 0.004S$$

$$\therefore \ \ \forall \ \ \dot{l}(t) = 10e^{-\frac{t}{0.004}} \ \ mA = 10e^{-\lambda Tot} \ \ mA$$

