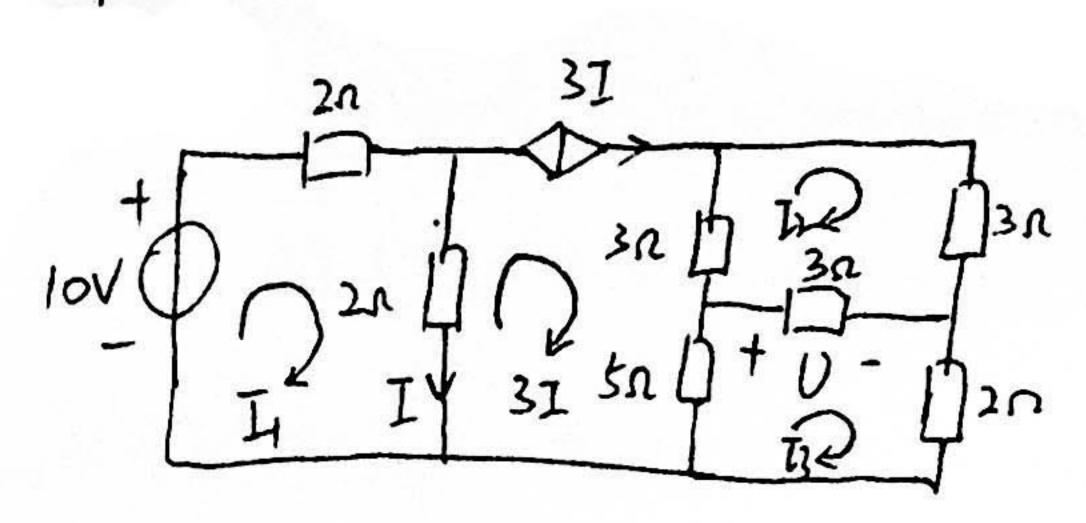
西南交大《电路分析一》、《电路分析二》考研全套视频,真题、考点、典型题、命题规律独家视频讲解! 详见: 网学天地(www.e-studysky.com); 咨询QQ: 2696670126

一.解: 对



到图乱电流方程得!

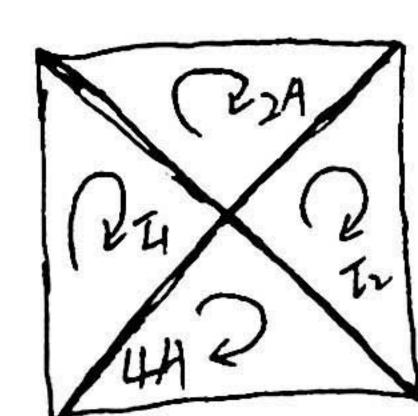
$$(2+2)I_1 - 2x3I - 10 = 0$$

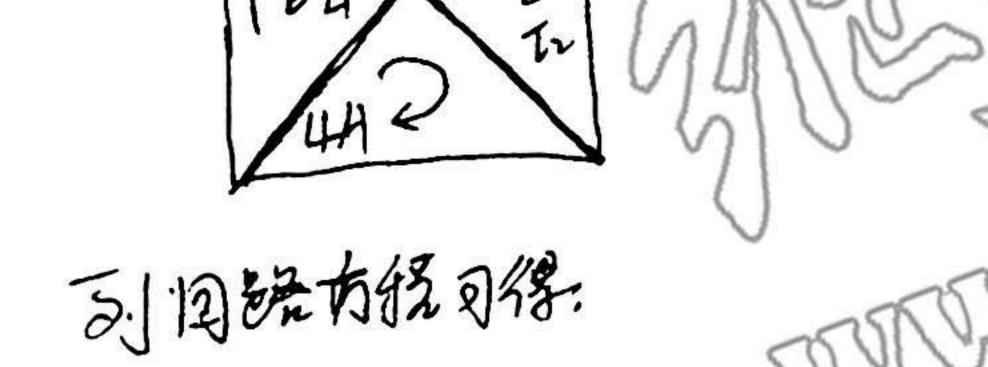
(1) ①图的英艺可得:

$$\begin{cases} J_1 = 4A \\ J_2 = \frac{1}{5}A \\ J_3 = 3 \times (J_3 - J_3) = |V| \end{cases}$$

$$\begin{cases} J_1 = 4A \\ J_2 = \frac{1}{5}A \\ J_3 = 1A \end{cases}$$

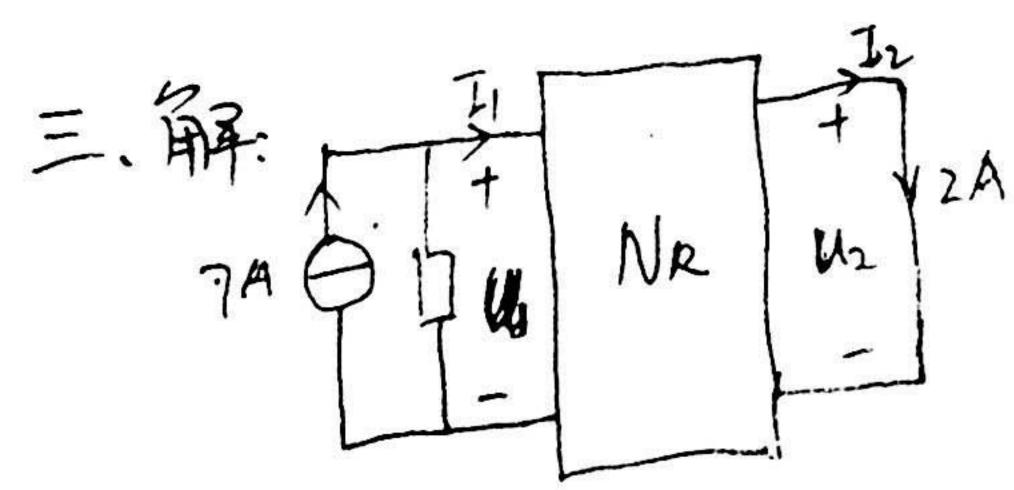
二、解:





$2x(I_1-2)+2+2x(I_1-4)+6xI_1=0$ $-4I_1+2x(I_2-2)+4I_1+2x(I_2-4)=0$

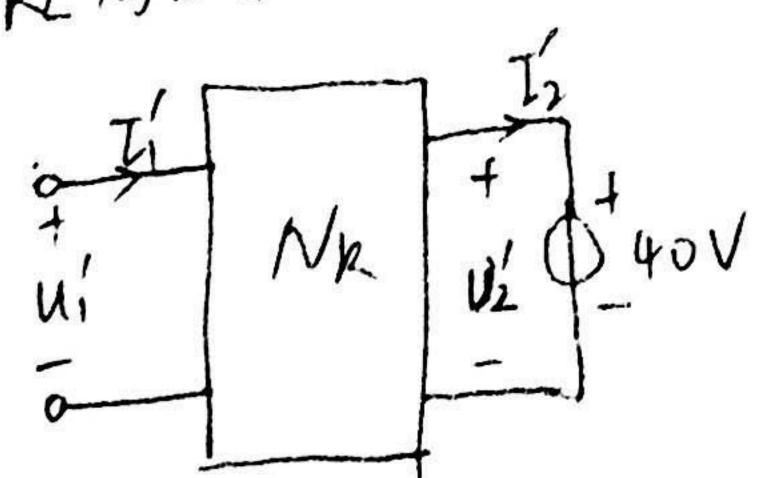
解绍:丁二(八)



兹·
$$U_1 = 20V$$
 $I_1 = 7 - \frac{20}{10} = 5 (A)$

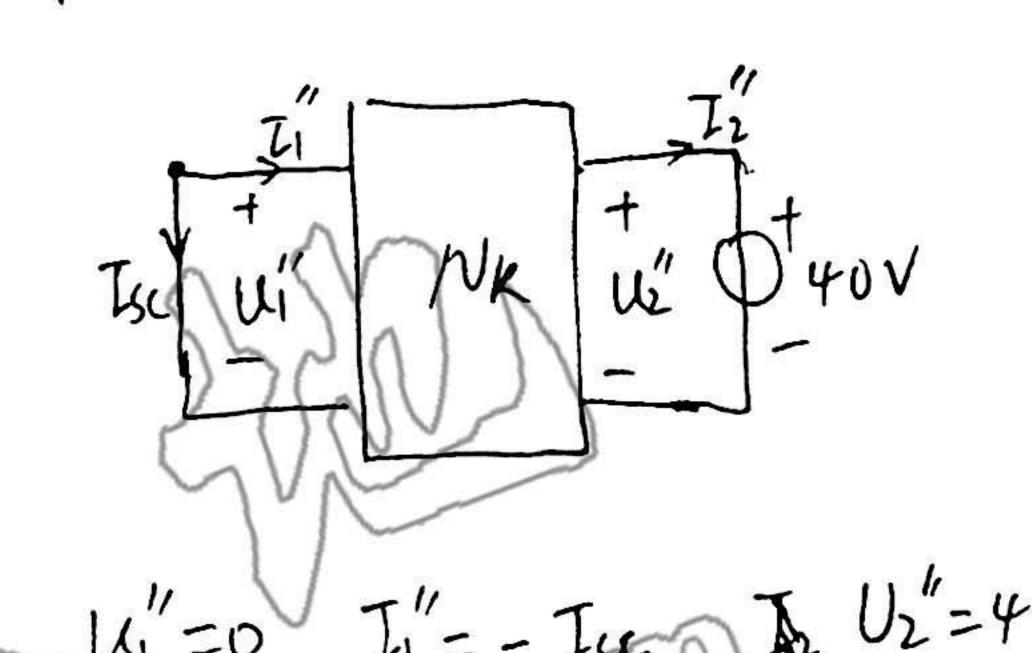
$$U_2 = 0 \quad T_2 = 2A$$

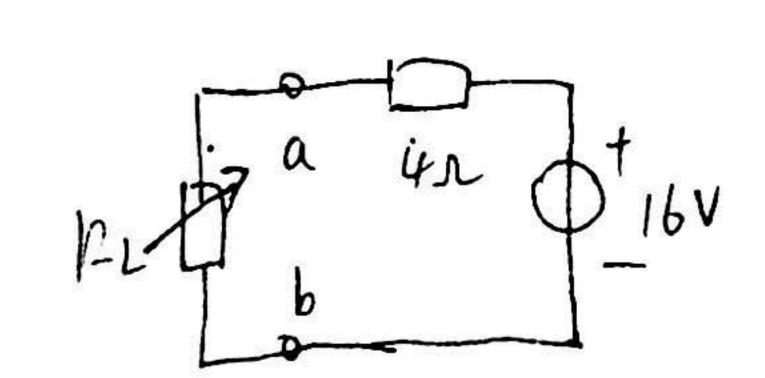
求儿向右看的裁维有影响的。



"W=Voc I'=0 W=40. ==

2011年1电路





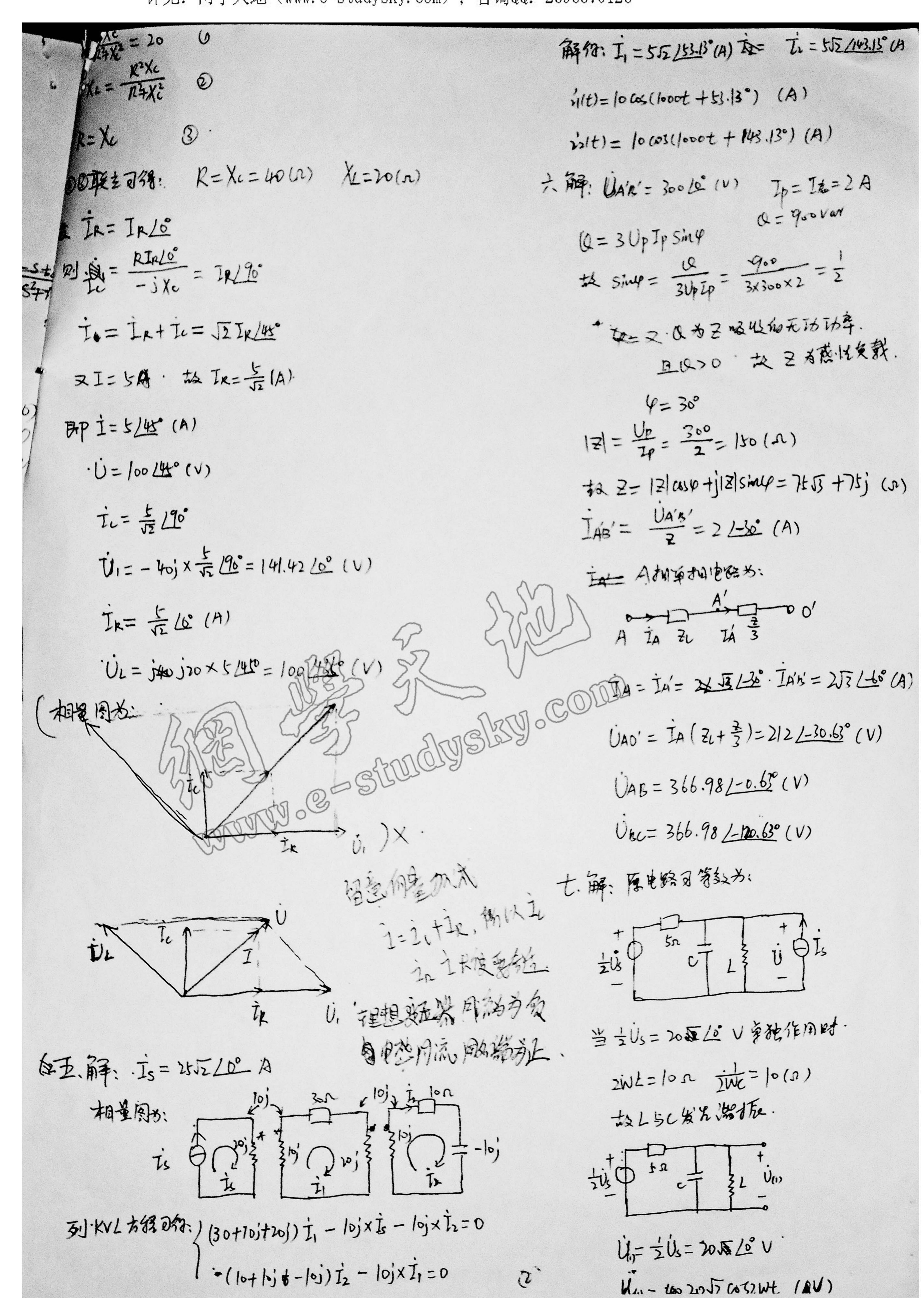
当RL=4九的 PARE. RL可获格标路中Pmaxo.
Pmaxo= 162/4X4=16(W)

四解:由超知少多节同期.

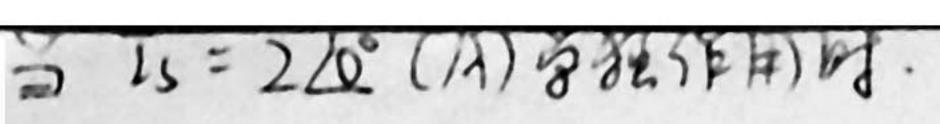
$$Z = j \times L + \frac{R \times (-j \times L)}{R - j \times L} = \frac{R \times \hat{c}}{R^2 + \chi \hat{c}} + j \left(\lambda_L - \frac{R^2 \times L}{R^2 + \chi \hat{c}} \right)$$

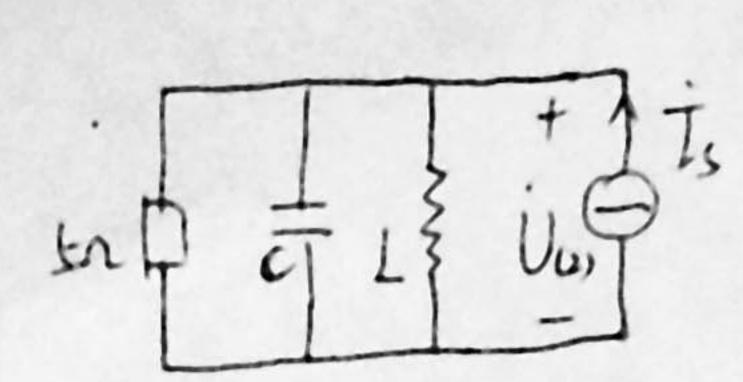
$$= \frac{R \times \hat{c}}{R^2 + \chi \hat{c}} = \frac{U}{2} \cdot \frac{R \times \hat{c}}{\chi_L - \frac{R \times \hat{c}}{R^2 + \chi^2}} = 0$$

10



西南交大《电路分析一》、《电路分析二》考研全套视频,真题、考点、典型题、命题规律独家视频讲解! 详见: 网学天地(www.e-studysky.com); 咨询QQ: 2696670126





海 玩 一方

Uns (t)= 852 cos(Nt + 36.87°) (V)

P= Re(tho)

\$1 (1tt)= (111) H) + (16)(t)

= 2052 cos2wt + 852 cos(Wt+36.87°) (V)

P= Re (ib. Is*)= 12.8 (W)

部的强性的有功力。12.8 W.

11.解:型的超级

IIS) = = = 18. 18/18/18/19/19/19

校 新 H(s)= U(s) = 例 (s) = 20×0.15

SL = 0.15

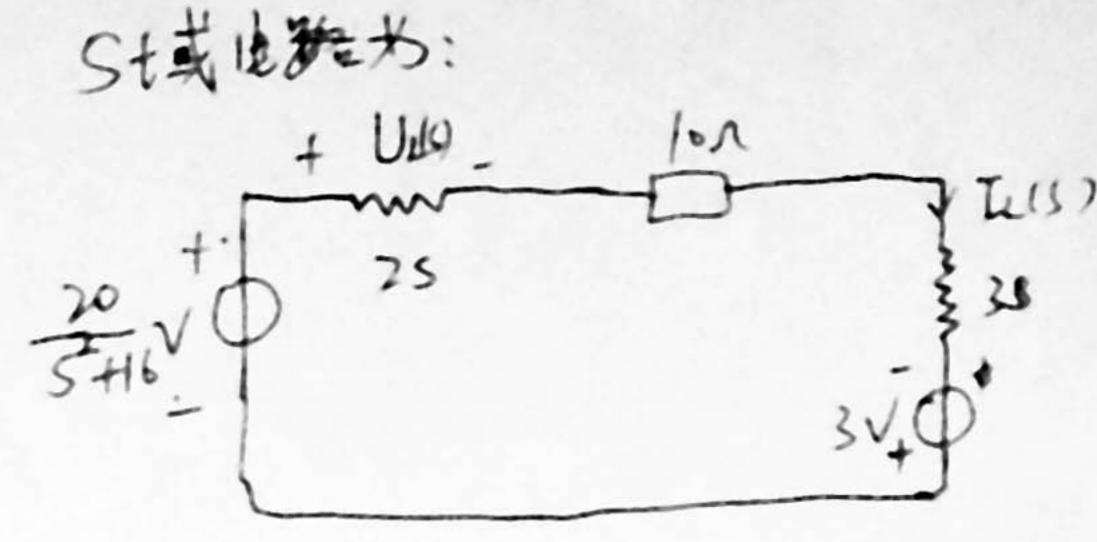
基格上极为·C=0.05下的电台·

则SL将被为云。

$$PPH(s) = 6 - \frac{20 \times 0.05s}{10} = 6 - \frac{4}{5+2}$$

Time 故当 [(s)= \$ S(t) A 即 [(s)=5 1)对

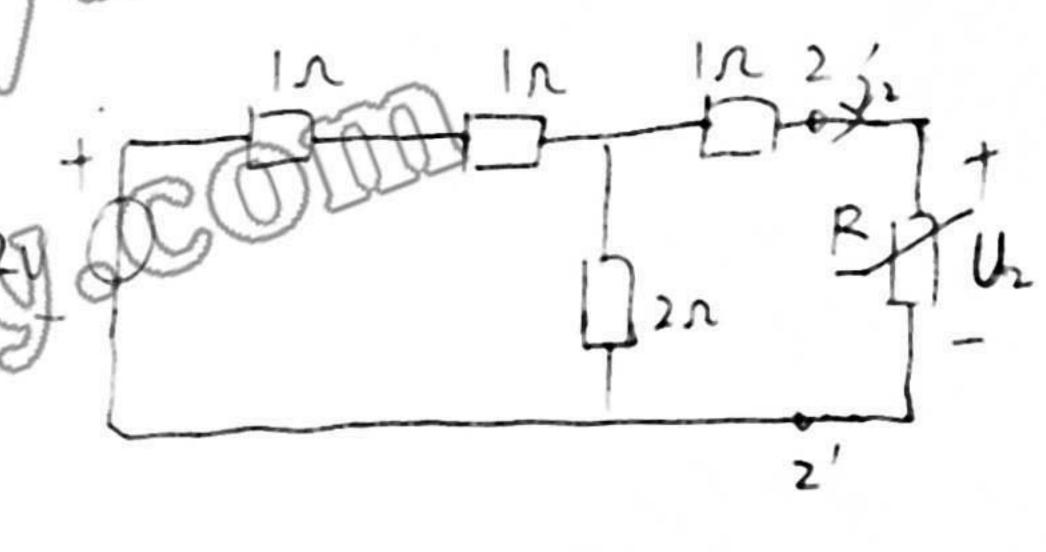
九解: 大org ·1210-)= 10=1(A)



$$U_{LL(S)} = \frac{30}{5416} + \frac{3}{5} \times \frac{35}{5416} + \frac{3}{5} \times \frac{35}{5416} + \frac{3}{5} \times \frac{35}{5416} + \frac{3}{5} \times \frac{4}{5416} = \frac{3}{5416} + \frac{3}{5416} = \frac{3}{5416} + \frac{3}{5416} = \frac{3}{5416} + \frac{3}{5416} = \frac{3}{5416} + \frac{3}{5416} = \frac{3}{5416} = \frac{3}{5416} + \frac{3}{5416} = \frac{$$

故以(t)=4e-2t cos(4t)+ = sin4t (AV) (t76) = 8(t)- = e-2t + = cos(4t) + = sin4t (V) +・解: 由双回网始加区学数为 [32] 1年(120)

了一个的性性的语法是可易以。 (a)电路可答处为:

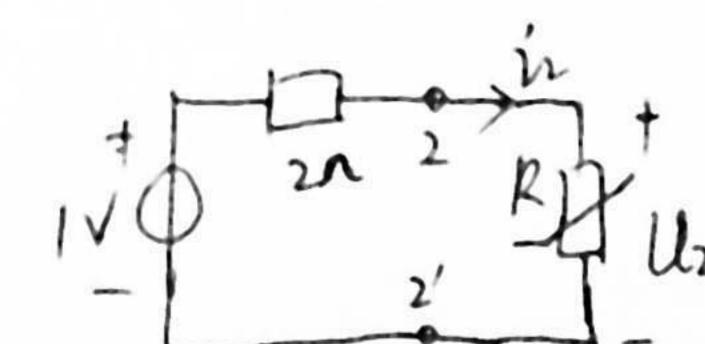


龙2-2'左端电路的新维有能效电路。

$$U_{0c} = 2 \times \frac{2}{2+H1} = 1(v)$$

$$R_0 = 1 + \frac{2X^2}{242} = 2(\Lambda)$$

被图(a)电路额效为:



到似的组织的 10=1-26 (0)当人20大约: 10=1金)当人234时 10=3时,由口村20大约: 10=1任)不经验 意,放放。经上海: 10=14 1=00