II 1204 PISTU -8.04 550 5.275

: \_s'ion) II mon \_s'szinin niunen

(1)

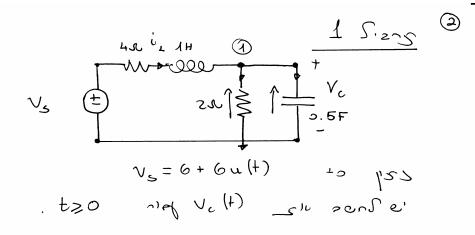
1.50 / + 50 / + 20 5 = 0 1010 = 7.09100 67.000 ×2 + 50 × + 20 5 = 0 1010 = 7.09100 67.000

- (e) Sise, e) cun X, X2<0) 2>20: 15' 10' .1 V(t) = Aexit + Bex2t : 1/20 x2'3
  - . ( = x, = x2 < 0 ) = = w; + C 2 10 2 V(+) = e x, + ( A + Bt) : 1 - 2 - 3
    - ( 2001 ) 2 < Wo 000 /1010 .3 Y, 2 = 6+ jw

V(+) = e & + (A cos w+ Boinwt) 1/2502 503

V(+) = A wsw+ Bsin wt 1200 5003

×,, = + jw



 $C_{2n} = C_{2n}$   $C_{2n} = C_$ 

: - Sine of kul

$$V_s = 4\left(\frac{V_c}{2} + 0.5\dot{V}_c\right) + \frac{\dot{V}_c}{2} + 0.5\dot{V}_c + V_c = 0$$

$$\begin{cases} \dot{v}_{c} + 5\dot{v}_{c} + 6\dot{v}_{c} = 12 + 12u(t) \\ \dot{v}_{c}(5) = 2 \\ \dot{v}_{c}(5) = 0 \end{cases}$$

$$V_{c}(s^{+}) = V_{c}(s^{-})$$

:75IN WAST:

しいう マルアリンシ かいいしょう

$$x^{2} + 5x + 6 = 0$$

$$x_{1} = -2$$

$$x_{2} = -3$$

$$V_{c}(t) = A e^{-3t} + B e^{-2t} + 4$$

$$\dot{v}_{c}(t) = -3Ae^{-3t} - 2Be^{-2t}$$

$$v_{c}(s) = -3A - 2B = 0$$

$$v_{c}(+) = 4e^{-3t} - 6e^{-2t} + 4$$

10/6/98 '7 nCono '12 2/1N - 2 5.25 (5)

t=0

Ve1

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Ve1

IF

ما كدي من من الله ومع محد ممارك

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130, 6,557 ep Ass vind, fro vist : 430 ves + 255 : 1,029

 $V_{L}(S^{-}) = 0$   $V_{L}(S^{-}) = 4 \cdot \frac{2}{2+2} = 2 [V]$   $V_{L}(S^{-}) = \frac{1}{L} V_{L}(S^{-}) = \frac{1}{L} (V_{R} - V_{L}) = 0$   $V_{L}(S^{-}) = \frac{1}{L} V_{L}(S^{-}) = \frac{1}{L} (V_{R} - V_{L}) = 0$ 

(5,2,00 PL 252 U) ZOSZ LISS JOHN (5,22)

100 mon 1 con 1210 och 1200 och 1200 och 1210 och 1210 och 1200 oc

(e)

$$i_1 = u(-t)$$
 $= 1 \text{ forms of kyl}$ 
 $= 2 (i_1 - i_2) - 0.5 i_2 - \frac{1}{c} \int i_2 dt = 0$ 
 $= i_1 = u(t) - s^2 + \frac{1}{dt}$ 

$$-2S(+)-2i_2-0.5i_2-i_2=0$$

$$\begin{cases}
i_2 + 4i_2 + 2i_2 = -45 (+) \\
i_2(o^-) = 0 \\
i_2(o^-) = 0
\end{cases}$$

$$i_{2}(5^{\dagger}) - i_{2}(5^{-}) = -4$$
 $i_{2}(5^{\dagger}) = -4[V], \quad i_{2}(5^{\dagger}) = 0$ 

$$\begin{cases} (x^{2})^{2} & (x^{2})^{2}$$

 $x^{2} + 4x + 2 = 0$  x = -0.586  $x_{2} = -3.414$ 

 $i_{2}(t) = Ae^{-3.586t} + Be^{-3.414t}$   $e_{1}(t) = Ae^{-3.586t} + Be^{-3.414t}$   $e_{1}(t) = S_{1}(t) + S_{2}(t) + S_{3}(t) + S_{4}(t) + S_{4$ 

-2,7,9/10 Upoloni 1,02,9  $x^2 + 2x + 1 = 0$  $x_{1} = -1$   $x_{2} = -1$   $x_{2} = -1$   $x_{3} = -1$   $x_{4} = -1$   $x_{5} = -1$   $x_{7} = -1$   $x_{7} = -1$ i\_(+) = -2te-t : 25.50 11-55 5230 100 '0'2 '0'NO 2=5 0186 3  $\begin{cases} i_2 + 3.4 i_2 + 0.2.i_2 = -3.45(1) \\ i_2(5) = 0 \\ i_2(5) = 0 \end{cases}$ : 6,000 , 117,10 708  $\begin{cases} i_{2} + 0.4 & i_{1} + 0.2 & i_{2} = 0 \\ i_{2} (0^{-}) = 0 \\ i_{2} (0^{-}) = -0.4 \end{cases}$ : 72,2 ( chonole syllens /122,9  $x^2 + 0.4x + 0.2 = 0$  $x_1 = -0.2 + 0.4i$   $x_2 = -0.2 - 0.4i$ 000 /10,0 /1,0 /1,000 Pul3