Autoral. -) 
$$\lambda^{2} = 3\lambda - 28 = 0$$
  $\begin{cases} -4 = 3x \\ -2x \end{cases}$  And  $\begin{cases} -5 & 3x - 28 \\ -5 & 3x - 28 \end{cases}$  Autoral. -)  $\lambda^{2} = 3\lambda - 28 = 0$   $\begin{cases} -4 = 3x \\ -5 & 3x - 28 \end{cases}$ 

$$\frac{\cos(x)}{(-5)^{2}} = \frac{7}{5}$$

$$\frac{(-5)^{2}}{5} = \frac{7}{5}$$

$$\frac{(-s - 6)}{(-s - 6)} \rightarrow (-s - 6) \rightarrow (-s - 6$$

2-4 ) (-6,5)

Entoma los soluciones del homogenes son:

6) 
$$(y_1) = -\frac{1}{2}y_1 + \frac{1}{3}y_2$$
  
 $y_2 = \frac{1}{2}y_1 - \frac{1}{3}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$   
 $A = \begin{bmatrix} -\frac{1}{2} & \frac{1}{3} \\ -\frac{1}{2} & \frac{1}{3} \end{bmatrix} = \lambda^2 + \frac{3}{6}\lambda + \frac{1}{6}y_2$ 

ARE PORA 
$$\lambda = 0$$

$$\begin{pmatrix}
\frac{1}{2} & -\frac{1}{3} \\
-\frac{1}{2} & \frac{1}{3}
\end{pmatrix}$$
FENSFIFE?
$$\begin{pmatrix}
\frac{1}{2} & -\frac{1}{3} \\
0 & 0
\end{pmatrix}$$
 $\lambda = y$ 

$$\begin{pmatrix}
\frac{1}{2} & \frac{1}{3} \\
0 & 0
\end{pmatrix}$$
 $\lambda = y$ 

$$\lambda = y$$

$$\lambda$$

$$\begin{cases} -\frac{3}{3} & -\frac{3}{6} \\ -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{3} & -\frac{1}{3} \end{cases} \Rightarrow \begin{cases} -\frac{1$$

$$-i \left( \frac{1}{\sqrt{k}} \right) = k_1 \cdot e^{0t} \left[ \frac{1}{3} \right] + k_7 \cdot e^{-\frac{3}{6}t} \left[ \frac{1}{1} \right]$$