$$\begin{array}{l}
A_{-} \lambda_{1} = A - \lambda \cdot \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & 0 & \lambda \end{bmatrix} = \begin{bmatrix} 2 - \lambda & -1 & -1 \\ 3 & -2 - \lambda & -3 \\ -1 & 1 & 2 - \lambda \end{bmatrix}$$

$$\begin{array}{l}
d(z + A - \lambda) = 0 \\
d(z + A - \lambda) = (z - \lambda) \begin{bmatrix} -2 - \lambda & -3 \\ 1 & 2 - \lambda \end{bmatrix} + 1 \begin{bmatrix} 3 & -3 \\ -1 & 2 - \lambda \end{bmatrix} - 1 \begin{bmatrix} 3 - 2 - \lambda \\ -1 & 1 \end{bmatrix}$$

$$= (2 - \lambda) ((-2 - \lambda)(2 - \lambda) - (-3)) + 3(2 - \lambda) - 3 - (3 - 2 - \lambda)$$

$$= (2 - \lambda) ((-4 + 2\lambda - 2\lambda) + \lambda^{2} + 3) + (6 - 3\lambda - 3 - 1 + \lambda)$$

$$= (2 - \lambda) ((\lambda^{2} - 1) + 2 - 2\lambda)$$

$$= (2 - \lambda) ((\lambda^{2} - 1) + 2 - 2\lambda)$$

$$= (2 - \lambda) ((\lambda^{2} - 1) - 2(\lambda - 1))$$

$$= (\lambda - 1) ((2\lambda - \lambda)^{2} + 2 - \lambda - 2)$$

$$= (\lambda - 1) (-\lambda^{2} + \lambda)$$

$$= (\lambda - 1) (-\lambda^{2} +$$

$$\lambda = 0 = 0 \begin{cases} 2 & -1 & -1 \\ 3 & -2 & -3 \\ -1 & 1 & 2 \end{cases} \cdot x = \begin{cases} 0 \\ 0 \\ 0 \end{cases}$$

$$2x_{1} - x_{2} - x_{3} = 0 = 0 \Rightarrow x_{1} = 2x_{1} - x_{3}$$

$$3x_{1} - 2x_{2} - 3x_{3} = 0$$

$$-x_{1} + x_{2} + 2x_{3} = 0$$

$$-x_{1} + 2x_{2} - x_{3} + 2x_{3} = 0 \Rightarrow x_{1} + x_{3} = 0 \end{cases}$$

$$-x_{1} + 2x_{2} - x_{3} + 2x_{3} = 0 \Rightarrow x_{1} + x_{3} = 0 \end{cases}$$

$$-x_{1} + 2x_{2} - x_{3} + 2x_{3} = 0 \Rightarrow x_{1} + x_{3} = 0 \end{cases}$$

$$-x_{1} + 2x_{2} - x_{3} + 2x_{3} = 0 \Rightarrow x_{3} + x_{3} = 0 \end{cases}$$

$$-x_{1} + 2x_{2} - x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} + x_{2} + x_{3} = 0 \end{cases}$$

$$-x_{1} + x_{2} - x_{3} = 0 \Rightarrow x_{1} - x_{2} + x_{3} = 0 \Rightarrow x_{1} - x_{2} + x_{3} = 0 \Rightarrow x_{1} - x_{2} + x_{3} = 0 \Rightarrow x_{2} - x_{3} + x_{2} + x_{3} = 0 \Rightarrow x_{1} - x_{2} + x_{3} = 0 \Rightarrow x_{2} - x_{3} + x_{2} + x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} + x_{3} = 0 \Rightarrow x_{3} + x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{3} + x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{3} - 2x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} - 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} - 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} + 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} + 2x_{2} + x_{3} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{3} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{1} + 2x_{2} = 0 \Rightarrow x_{2} + 2x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow x_{3} = 0 \Rightarrow$$

$$\frac{15}{A^{2}} \begin{cases}
1 & -1 & 1 \\
1 & 1 & -1 \\
0 & -1 & 2
\end{cases}$$

$$\frac{\lambda}{A} - \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & 0 & \lambda \end{bmatrix} = \begin{bmatrix} 1 - \lambda & -1 & 1 \\ 1 & 1 - \lambda & -1 \\ 0 & -1 & 2 - \lambda \end{bmatrix}$$

$$\frac{\lambda}{A} + \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & 0 & \lambda \end{bmatrix} = \begin{bmatrix} 1 - \lambda & -1 & 1 \\ 1 & 1 - \lambda & -1 \\ 0 & -1 & 2 - \lambda \end{bmatrix}$$

$$\frac{\lambda}{A} + \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & 0 & \lambda \end{bmatrix} = \begin{bmatrix} 1 - \lambda & -1 & 1 \\ 1 & 1 - \lambda & -1 \\ 0 & -1 & 2 - \lambda \end{bmatrix}$$

$$\frac{\lambda}{A} + \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & \lambda & 0 \end{bmatrix} = \begin{bmatrix} 1 - \lambda & -1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 - \lambda \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 - \lambda \\ 0 & (2 - \lambda) \end{bmatrix}$$

$$\frac{\lambda}{A} - \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & \lambda & 0 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix}$$

$$\frac{\lambda}{A} - \lambda 1 = A - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 0 \\ 0 & \lambda & 0 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 & 1 \\ 0 & (2 - \lambda) \end{bmatrix} + 1 \begin{bmatrix} 1 & 1 &$$

$$\lambda = 1 \quad \boxed{1 - 1 - 1 \ 1 - 1 - 1 \ 0 - 1 \ 2 - 1} = \begin{bmatrix} 0 & -1 & 1 \ 1 & 0 & -1 \ 0 & -1 & 1 \end{bmatrix} \times = \begin{bmatrix} 0 \ 0 \ 0 \end{bmatrix}$$

$$- \times_{\lambda} + \times_{3} = 0 \\
\times_{1} - \times_{3} = 0$$

$$\times_{1} - \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{3} = 0$$

$$\times_{1} - \times_{1} \times_{3} = 0$$

$$\times_{1} - \times_{2} \times_{1} \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{2} \times_{1} \times_{1} \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{2} \times_{1} \times_{1} \times_{3} = 0$$

$$\times_{1} \times_{1} \times_{2} \times_{1} \times$$

$$\frac{\partial e^{\frac{1}{2}}(A \cdot \lambda 1) = 0}{\partial e^{\frac{1}{2}}(A - \lambda 1)} = \frac{(1 - \lambda)}{1 - \lambda} \begin{vmatrix} 1 - \lambda - 1 \\ -1 - \lambda \end{vmatrix} + 1 \begin{vmatrix} 1 - \lambda - 1 \\ 2 - \lambda \end{vmatrix} + 1 \begin{vmatrix} 1 - \lambda - 1 \\ 2 - \lambda \end{vmatrix} + 1 \begin{vmatrix} 1 - \lambda - \lambda - 1 \\ 2 - \lambda \end{vmatrix}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} + \lambda + 2 - 1 - 2 + 2 \lambda$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$= \frac{(1 - \lambda)}{1 - \lambda} \begin{pmatrix} \lambda^2 - \lambda - 1 \end{pmatrix} - \frac{(1 - \lambda)}{1 - \lambda}$$

$$\begin{vmatrix}
1 + 1 & -1 & 1 \\
1 & 1 + 1 & -1 \\
2 & -1 & 0 + 1
\end{vmatrix} = \begin{bmatrix}
2 & -1 & 1 \\
1 & 2 & -1 \\
2 & -1 & 1
\end{bmatrix} \times = \begin{bmatrix}
0 \\
0
\end{bmatrix}$$

$$2 \times 1 - \times_2 + \times_3 = 0$$

$$2 \times_1 - \times_2 + \times_3 = 0$$

$$2 \times_1 - \times_2 + \times_3 = 0$$

$$2 \times_1 - \times_2 + \times_3 = 0$$

$$W_{-1} = \left\{ x = \begin{pmatrix} x_1 \\ -5x_1 \\ -5x_4 \end{pmatrix} = x_1 \begin{pmatrix} -3 \\ -5 \end{pmatrix} : x_1 \in \mathbb{R} \right\}$$

$$L) Said + c lifton (1_{1}-3_{1}-5)$$

$$\lim_{x \to 1} W_{-1} = g(-1) = 1$$

$$\lim_{x \to 1} V_{-1} = \lim_{x \to 1} V_{-1} =$$

x₁-x₂-x₁-x₂=0 }=) x₂=0

$$\frac{d}{dt} = \begin{bmatrix} 1 & -1 & -1 \\ 1 & 1 & 0 \\ 3 & 0 & 1 \end{bmatrix}$$

$$\frac{d}{dt} + \begin{bmatrix} 1 & -1 & -1 \\ 1 & 1 & 0 \\ 3 & 0 & 1 - 2 \end{bmatrix}$$

$$\frac{d}{dt} + \begin{bmatrix} 1 & -1 & -1 \\ 1 & 1 & -\lambda & 0 \\ 3 & 0 & 1 - 2 \end{bmatrix}$$

$$\frac{d}{dt} + \begin{bmatrix} 1 & -\lambda & -1 & -1 \\ 1 & 1 & -\lambda & 0 \\ 3 & 0 & 1 - 2 \end{bmatrix}$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda)^{2} + (1 - \lambda) + 3(1 - \lambda)$$

$$= (1 - \lambda) \left(1 - \lambda \right)^{2} + (1 - \lambda)^{2} + (1 - \lambda)$$

$$\lambda = 1$$

$$\begin{bmatrix}
1 - 1 & -1 & -1 \\
1 & 1 - 1 & 0 \\
3 & 0 & 1 -1
\end{bmatrix} =)
\begin{bmatrix}
0 & -1 & -1 \\
1 & 0 & 0 \\
3 & 0 & 0
\end{bmatrix} \times = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$$

$$- \times_{2} - \times_{3} = 0 =) \times_{2} = - \times_{3}$$

$$\times_{1} = 0$$

$$3 \times_{4} = 0$$

$$1 \times_{1} = 0$$

$$\times_{2} - \times_{3}$$

$$W_{1} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} \in \mathbb{R} \end{cases}$$

$$W_{1} = \begin{cases} x_{1} = \begin{pmatrix} x_{1} \\ x_{2} \\ x_{3} \end{pmatrix} = \begin{pmatrix} 0 \\ -x_{3} \\ x_{3} \end{pmatrix} = x_{3} \begin{pmatrix} 0 \\ -1 \\ 1 \end{pmatrix} : x_{3} \in \mathbb{R} \end{cases}$$

$$U_{1} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{2} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{3} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{3} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{4} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{5} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{5} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{5} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$U_{5} = \begin{cases} x_{1} = 0 \\ x_{2} = -x_{3} \\ x_{3} = 0 \end{cases}$$

$$\lambda = 1 + z;$$

$$\begin{bmatrix}
1 - 1 - 2; & -1 & -1 \\
1 & 1 - 1 - 2; & 0 \\
3 & 0 & 1 - 1 - 2;
\end{bmatrix} =$$

$$\begin{bmatrix}
-2; & -1 & -1 \\
1 & -2; & 0 \\
3 & 0 & -2;
\end{bmatrix} \times =$$

$$\begin{bmatrix}
0 \\
0 \\
6
\end{bmatrix}$$

$$-2ix_1 - x_2 - x_3 = 0$$

$$x_1 - 2ix_2 = 0 =$$

$$=$$

$$x_1 - 2ix_2 = 0 =$$

$$=$$

$$W_{(1412)} = \left\{ \begin{array}{l} x_1 = -2ix_1 \\ x_2 \in \mathbb{R} \\ x_3 = 3x_1 \end{array} \right.$$

$$W_{(1412)} = \left\{ \begin{array}{l} x = \begin{pmatrix} x_1 \\ x_2 \\ x_3 \end{pmatrix} = \begin{pmatrix} -2ix_2 \\ x_2 \\ 3x_1 \end{pmatrix} = x_2 \begin{pmatrix} -2i \\ 1 \\ 3 \end{pmatrix} : x_2 \in \mathbb{R} \\ \\ L_1 > Sa_1 a' + veh + c \Rightarrow (-2i+1) = 3 \end{array} \right.$$

$$\begin{bmatrix} 2 & -1 & -1 \\ 1 & 2 & 0 \\ 3 & 0 & 2 \end{bmatrix} X = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$$

$$2ix_1 - x_2 - x_3 = 0$$

 $x_1 + 2ix_2 = 0 = 1x_1 = -2ix_2$
 $3x_1 + 2ix_3 = 0$