" Nuneci nore n'heco pajobanno."

① llavar coõerleure lerropo u coõerleurore quarenure que unuebnoro one prope, zagannoro marpuner $A = \begin{pmatrix} -1 & -6 \\ 2 & 6 \end{pmatrix}$

$$\begin{vmatrix} -1 - \lambda & -6 \\ 2 & 6 - \lambda \end{vmatrix} = 0 \qquad (-1 - \lambda)(6 - \lambda) + 12 = 0$$

$$-6 + \lambda - 6\lambda + \lambda^{2} + 12 = 0$$

$$\lambda^{2} - 5\lambda + 6 = 0$$

$$D = b^{2} - 4ac = 25 - 4.6.1 = 1$$

$$\lambda_{1} = \frac{-b - \sqrt{D}}{2a} = \frac{5 - 4}{2} = 2$$

$$\lambda_{2} = \frac{-b + \sqrt{D}}{3a} = 3$$

Coo Alemore juarement: 2 43.

$$\begin{pmatrix} -1 - \lambda_1 & -6 \\ 2 & 6 - \lambda_1 \end{pmatrix} = \begin{pmatrix} -3 & -6 \\ 2 & 4 \end{pmatrix} \qquad \begin{pmatrix} -1 - \lambda_2 & -6 \\ 2 & 6 - \lambda_2 \end{pmatrix} = \begin{pmatrix} -4 & -6 \\ 2 & 3 \end{pmatrix}$$

$$\begin{pmatrix} -1 - 6 \\ 2 & 6 \end{pmatrix} \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix} = \lambda \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix}$$

$$\begin{cases} -x_{1} - 6x_{2} = 2x_{1} \\ 2x_{1} + 6x_{2} = 2x_{2} \\ -3x_{1} - 6x_{2} = 0 \end{cases}$$

$$\begin{cases} -x_{1} - 6x_{2} = 3x_{1} \\ 2x_{1} + 6x_{2} = 3x_{2} \\ -4x_{1} - 6x_{2} = 0 \end{cases}$$

$$\begin{cases} 2x_1 + 4x_2 = 0 \\ -3(-2x_2) - 6x_2 = 0 \\ x_1 = -2x_2 \end{cases}$$

$$\begin{cases} 6x_2 = 6x_2 \\ x_4 = -2x_2 \end{cases}$$

$$\begin{cases} x_2 = x_2 \\ x_4 = -2x_2 \end{cases}$$

$$\begin{cases} x_2 = x_2 \\ x_4 = -2x_2 \end{cases}$$

$$\begin{cases} 2x_{4} + 3x_{2} = 0 \\ -\frac{3}{4}(-\frac{3}{2}x_{2}) - 6x_{2} = 0 \\ x_{1} = -\frac{3}{2}x_{2} \end{cases}$$

$$\begin{cases} 6x_{2} = 6x_{2} \\ x_{1} = -\frac{3}{2}x_{2} \end{cases}$$

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

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

② Dan omparop wolohore να 180 τραγγεων, μας αλαευνού ωστριμεύ $A = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}$. Πολογαρ, πο πωδού lerrof eliveras μινε νου σοδ ενθεννουν.

Bysuieu 3 lecropa u vaagiu X

Pro leex augraiex \exists equiverleunce juarenne $\lambda = -1 \Rightarrow$ que jagannois oneparopa

θροιμε τοτο, causa mas fuga πρεμγενια τρι βαετ γμινοπιενία.
που μ λ, που δ ν λ ο επόταν που δρο ε εματενίας, ρ λ μου μου ε ε επορεί ε επορ