$$A_{x} = \emptyset x$$

$$A_{n} \qquad A^{2}x = \lambda^{2}x, \quad A^{n}x = \lambda^{n}x$$

$$A_{n} \qquad A_{x} = \lambda^{2}x, \quad A^{n}x = \lambda^{n}x$$

$$A_{x} =$$

$$\dot{X}_1 = QX_1$$
 $\dot{X}_2 = QX_1$
 $\dot{X}_2 = QX_2$

$$X_1 = X_1^{\circ} e^{qt}$$
 $X_2 = X_2^{\circ} e^{dt}$

$$\left(\frac{\dot{x}}{\dot{x}_{z}}\right) = \left(0 \frac{0}{\sqrt{x_{z}}}\right)$$

$$\begin{vmatrix} \dot{x}_{1} \\ \dot{x}_{2} \end{vmatrix} = \begin{pmatrix} 0 & 0 \\ 0 & d \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ 0 & \lambda_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} = \begin{pmatrix} \lambda_{1} & \lambda_{2} \\ \chi_{2} \end{pmatrix} \begin{pmatrix} \chi_{1} & \lambda_{2} \\$$

EIGENVECTORS, EIGENVALUES = (A) 1= EIGENVECTONS

$$\frac{\lambda_{1}}{\lambda_{2}}$$

$$\frac{\lambda_{2}}{\lambda_{1}}$$

$$AV_{i} = \lambda_{i}V_{i}$$

$$V_{i} \neq 0$$

$$V_{i} \neq 0$$

$$AV_{i}$$

V₂

((b), (c)) BASE
(ANSNICA

VI, VI) BASE
VECTORES
(NOTIOS

