4) pluestie que la sistitución hacia adelante ne expresa como:
$$\chi_{i} = b_{i} - \sum_{j=0}^{i-1} A_{i,j} \chi_{j}^{*}$$

$$\chi_{i} = b_{i} - \sum_{j=0}^{i-1} A_{i,j} \chi_{j}^{i}$$

$$a_{11} = a_{11} = a$$

Obteniendo:

$$\frac{\partial_{11} \chi_{1} = b_{1}}{\partial n_{1} \chi_{1} = \cdots + \partial n_{n} \chi_{n}} = \begin{bmatrix} \partial_{11} \chi_{1} & \cdots & + \partial_{n} \neq b_{1} \\ \vdots & \vdots & \vdots \\ \partial_{n1} \chi_{1} & \cdots & + \partial_{nn} \chi_{n} \neq b_{n} \end{bmatrix}$$

$$b_n = \sum_{j=1}^n a_{(n-1),j} x_j$$

$$\chi_{1} = \frac{b_{1}}{a_{11}}$$

$$\chi_{2} = b_{2} - a_{21} \times a_{1}$$

$$\chi_{i}' = b_{i}' - \sum_{j=1}^{i-1} a_{ij} \chi_{j}'$$

$$\frac{-i-1}{a_{j}'} = b_{i}' - \sum_{j=0}^{i-1} A_{ij} \chi_{j}'$$

$$\chi_i = b_i \sim \sum_{j=i+1}^n A_{ij} \chi_j$$
 A_{ii}^i

$$Ax_i = b_i^\circ$$

Si A es una matiz cuadrada y zi, bi son vectores:

$$\begin{bmatrix}
a_{11} & \cdots & + a_{1n} \\
\vdots & \vdots & \vdots \\
a_{m1} & \cdots & + a_{mn}
\end{bmatrix} \begin{pmatrix} x_1 \\ \vdots \\ x_n \end{pmatrix} = \begin{pmatrix} b_1 \\ \vdots \\ b_n \end{pmatrix}$$

$$\frac{\partial}{\partial n} = \frac{\partial}{\partial n} = \frac{\partial}$$

$$y = (\partial_{m_1} x_1 + \dots + \partial_{m-1(n-1)} x_{n-1}) - b_n$$

$$\partial_{n}$$

$$x_{m-1} = b_{m-1} - \sum_{j=n}^{n} a_{m} - 1b_{j} x_{j}$$

$$x_{i} = b_{i} - \sum_{j=i+1}^{n} a_{j}^{\alpha} x_{j}$$

$$\frac{1}{2} = i+1$$