08/05  $\partial_{ii} \times_{i} + \dots + \partial_{in} \times_{in} = b_{i}$  $a_{m_1}X_1+...+a_{m_n}X_n=b_m$ -0 L; 4- L; - M; L J = 1: n-1 verifique n rol. b i = j + 1: n m; = aij (aj) / A[j,j] / A[j,j] for i = j+1:n Littli-mi, Ly  $-\rightarrow A[i,i] = A[i,i] - m_i * A[j,i]$ b[i] = b[i] - m; \* b[j] Os argumentos são modificados.  $\begin{bmatrix} U_{11} & U_{12} & \cdots & U_{1n} \\ 0 & V_{2a} & \cdots & V_{2n} \\ \vdots & \vdots & \ddots & \ddots \\ 0 & 0 & \cdots & V_{nn} \\ \end{bmatrix} C_{n}$ Udd Xd + Udda Xdel + ... + Cdu Xn = Cd  $X^{2} = \frac{1}{C^{2}} \left[ C^{2} - \sum_{k=1}^{K=1} C^{3k} X^{k} \right]$ J= n:-1: 1 Verificat 5 = x[] for K= 2+1: n 3 A  $S = \mathcal{N}[],K] \times \times [K]$ x[]] = 5 / V[], [] end  $\begin{bmatrix}
1 & 0 & 0 & 0 \\
-m_{2} & 1 & 0 & 0 \\
0 & 0 & 1 & 0
\end{bmatrix}
\begin{bmatrix}
L_{1} \\
L_{2} \\
L_{3}
\end{bmatrix}
=
\begin{bmatrix}
L_{3} \\
L_{4}
\end{bmatrix}$ D I + (VWT) o posto E13E12E32E41E31E31A = U A = E21° ... · E42 E43, U Ux = b

Matrix Computations

Ux = L'b = c Golub LUx=b