24/10

SIJKEM, LINEANI MPIEMENTA 2 cons. AFIRMAM, det A to -> 3! x A'x=6' $A = A \longrightarrow A^{(2)} \longrightarrow A^{(m)} = A^{(m)}$ $A^{(k)} = \begin{pmatrix} 2n_1(k) & --- & 2n_n(k) \\ 2n_1(k) & --- & 2n_n(k) \\ 2n_1(k) & 2n_1(k) \\$ PSEUDO CODICE $\left(A^{(k)} \longrightarrow A^{(k+1)}\right)$ FOR K = 1, ---, m-1 PIVOT = 2KK (SE 70, ALIMENTI RK 22 R) FOR i = K+1/-~, m: (a; e- /2 + LRK, ..., K=:-m
ik) mik = 2ik/pNot for) = k +1,..., m : 2ij = 2ij - mik: 2kg Bin (Kth) = bin - mik be (K)

COUSTO TOTALE DI GAUST =
$$\sum_{k=1}^{m-1} (m \cdot k + z) (m-k)$$

ESEMP10

$$A = \begin{pmatrix} \xi & 1 \\ 1 & 0 \end{pmatrix} \quad b = \begin{pmatrix} 1 \\ 1 \end{pmatrix} \quad \times = \begin{pmatrix} 1 \\ 1-\xi \end{pmatrix} \quad 6 > 0$$

$$m_{21} = 1/2$$
 $R_2 \leftarrow R_2 - \frac{1}{\xi}$

$$A^{(2)} = \begin{pmatrix} \xi & 1 \\ 0 & -1/\xi \end{pmatrix} \qquad b^{(2)} = \begin{pmatrix} 1 \\ \gamma - 1/\xi \end{pmatrix}$$