CODICE:

573569

ESERCIZIO TIPO3 " S' Zizdva D sidema C'ueare d'pendente

dal prometo COMPLESSO & done

$$A(\lambda) = \begin{bmatrix} 3 & 3\alpha & 3 \\ 1 & \alpha + 1 & \alpha + 1 \\ 0 & 2 & 2\alpha \end{bmatrix} = b(\lambda) = \begin{bmatrix} 3\alpha \\ 0 + 1 \\ 0 & 2 \\ 2\alpha \end{bmatrix}$$

$$A(\lambda) = \begin{bmatrix} 3 & 3\alpha & 3 \\ 1 & \alpha + 1 & \alpha + 1 \\ 1 & \alpha & 2\alpha + 1 \end{bmatrix} = \begin{bmatrix} 3\alpha \\ 0 & 1 & \alpha \\ 0 & 2 & 2\alpha \end{bmatrix}$$

$$A(\lambda) = \begin{bmatrix} 3 & 3\alpha & 3 \\ 1 & \alpha + 1 & \alpha \\ 0 & 2 & 2\alpha \end{bmatrix} = \begin{bmatrix} 3\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \\ 0 & 2\alpha \end{bmatrix} = \begin{bmatrix} 1 & \alpha & 1 & \alpha \\ 0 & 1 & \alpha \\$$

12CAJ

[B(i)|c(i)] =
$$\begin{bmatrix} 1 & i & 1 & 1 \\ 0 & 1 & i & 1 \end{bmatrix}$$
 is the fine robotop of Count of B(i) $x = c(i)$ be shown with the continuous of the con

$$\int_{0}^{1} x_{1} - ix_{2} + x_{3} = -i$$

$$x_{2} - ix_{3} = 1$$

$$x_{3} = 0$$

$$[C(x)]d(x)] = [U(x)]w(x)$$

$$[C(x)]d(x)] = [U(x)]w(x)$$

ènefine robbés com le [A(d)[5(d)] e W(d) è obuiront - Ulde = wild Non le Lune - A(d) x = 5(d) no he Kurl

MATRICI INVERTIBILI (O NON SINGOLARI)

bef: Une matrie (QUADRATA) A d'ordine no 2' dù INVERTIBILE (O NON SINGOLANE) le 3B t.c.

Se Bliste allre Be union e hole Brichaux

Nou è sufficiente de A sia + 10 pedré aldria inversa

$$p.a.$$
 $\exists A^{-1} = \begin{bmatrix} x & y \\ z & \xi \end{bmatrix}$

$$[27][00] = [10]$$

we
$$\left(\frac{x}{2}\right)\left(\frac{1}{2}\right) = \left(\frac{x}{2}\right)e^{-1}$$

qualuque nous $x_1y_1y_2 + e^{-1}$

quid' A^{-1}

CONDIZIONE NECESSAIRIA E SUFFICIENTE APPINCHE 3A-1:

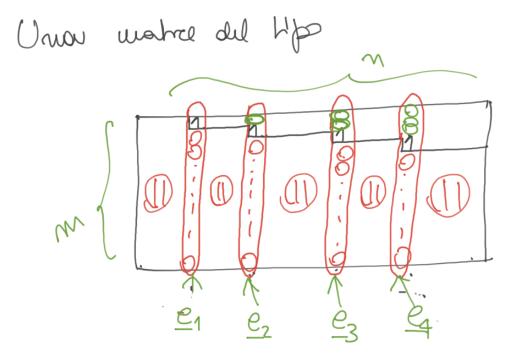
Se Amxm. 3A-1 (=> U e) unitional figure Title le chame d'User d'unite, copusabilité mente, mon quille de none al voir sons non quille de none al voir sons (and le mobili operated) & Wellow TRIANGUAN' SUPERION ON i'= 1 Xi'

(and le mobili operated) & Wellow TRIANGUAN' SUPERION ON i'= 1 Xi'

(and le mobili operated) & Wellow TRIANGUAN' SUPERION (ama le matrici quadrate) q'elionas TriANOLAN INFÉRION!

(A = (aij) an aij = 0 k i < j le matic 77.00 à chiamer Unittransolari INFERIORI 2 m pin aii=1 ti

FORHE RIDOTTE DI GAUSS-JORDAN



Coe' in frue rolle d' bours in en! el Estant dramant mes, ez,, ex (le prime k abourt d' Im)

8' dice in FORMA RIDOTTA DI GAUSS-JORDAN

ELIMINAZIONE DI GAUSS-ZORDAN

$$\begin{bmatrix} 2 & 4 & 8 & 2 \\ 1 & 3 & 3 & 6 \\ -1 & 3 & -9 & 25 \end{bmatrix} \underbrace{E(1)E(1)E_1(\frac{1}{2})} \underbrace{E(1)E_1(\frac{1}{2})} \underbrace{E(1)E_2(\frac{1}{2})} \underbrace{E(1)E$$

$$\rightarrow \begin{array}{c} 1 & 2 & 4 & 0 \\ \hline 0 & 1 & 0 & \\ \hline 0 & 0 & 0 & 1 \\ \hline \end{array}$$

$$E_{12}(-2) \begin{array}{c} 1 & 0 & 6 & 0 \\ \hline 0 & 1 & -1 & 0 \\ \hline \end{array}$$

CALCOLO DELL'INVERSA

ontineand l'EG pe torse une finne rotte el Gruce - Jadon d' [AIIn] alno trasformere tutte le abune dominant' d' D' in colonne d'elle motre l'alentice (in quels cos "alle" qual à alle U, qual m)

Siecoure tutte le soluire d'V in: E1, Ez, ..., En

quind " Krypus V" in In:

Gown-Indo

[A (In) No I'U | B) No [In | K Gours-Jordon
A IIn] No TIN | A-17

la matre non contrità dolle ultime nochane d'une fame n'obtte d' Gamo-Dadon d' [A IIn] e' proprio A-1