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DO 2)

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SISTEDI

LINEARI

$$3x + sy = 1$$

$$2x - 4y = 3$$

$$A = \begin{bmatrix} 3 & 5 \\ 2 & -4 \end{bmatrix}$$

$$b = \begin{bmatrix} 1 \\ 3 \end{bmatrix}$$

$$ag(A!b) = 2$$

DETTR

$$rg(A) = 2$$

$$\begin{cases} 2 \times + 4 \times = 7 \\ 6 \times + 12 \times = -1 \end{cases}$$

$$2 \cdot 4 \times = 1$$

$$ag(A) = 1$$

$$ay(A!b)=2$$

$$\begin{cases}
2x + 4y = 10 \\
4x + 8y = 20
\end{cases}$$

$$X = 5 - 24$$

NON R SPAZIO VITT

$$\begin{cases} 2x + 3y + 42 = 0 \\ 4x + 6y + 82 = 0 \end{cases}$$

$$\Lambda y(4) = 1$$

$$= \begin{bmatrix} -\frac{3}{2}y \\ y \\ 0 \end{bmatrix}$$

$$= \begin{pmatrix} -\frac{3}{2}y \\ y \\ 0 \end{pmatrix} + \begin{pmatrix} -27 \\ 0 \\ 7 \end{pmatrix} = y \begin{pmatrix} -\frac{3}{2} \\ 1 \\ 0 \end{pmatrix} + 7 \cdot \begin{pmatrix} -2 \\ 0 \\ 1 \end{pmatrix}$$

SPAZIO A DID 2 IN R3

$$M - 2g(A) = DIN DEMO SPARIO$$

$$3 - 1 = 2$$

$$A^{-1}A \cdot x = A^{-1}b$$