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QUESTÃO 3

A (3x3), sendo aij = i+), emão a matie é baba par:

$$A = \begin{bmatrix} Q_{11} & Q_{12} & Q_{13} \\ Q_{21} & Q_{22} & Q_{23} \\ Q_{31} & Q_{32} & Q_{33} \end{bmatrix} = > \begin{bmatrix} 2 & 3 & 4 \\ 3 & 4 & 5 \\ 4 & 5 & 6 \end{bmatrix}_{11}$$

logo, atransposta de A é papa por:

$$A = \begin{bmatrix} 2 & 3 & 4 \\ 3 & 4 & 5 \\ 4 & 5 & 6 \end{bmatrix}$$

b) * cororores de AII

$$\begin{aligned} & \text{Cof}(Q_{11}) = (-1)^{2} \cdot \begin{vmatrix} 45 \\ 56 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{31}) = (-1)^{4} \cdot \begin{vmatrix} 34 \\ 45 \end{vmatrix} = -1, \\ & \text{Cof}(Q_{12}) = (-1)^{4} \begin{vmatrix} 34 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{32}) = (-1)^{5} \begin{vmatrix} 24 \\ 35 \end{vmatrix} = -1, \\ & \text{Cof}(Q_{33}) = (-1)^{6} \begin{vmatrix} 23 \\ 34 \end{vmatrix} = -1, \\ & \text{Cof}(Q_{21}) = (-1)^{4} \begin{vmatrix} 34 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{22}) = (-1)^{4} \begin{vmatrix} 24 \\ 46 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = > -1, \\ & \text{Cof}(Q_{23}) = (-1)^{5} \begin{vmatrix} 23 \\ 45 \end{vmatrix} = >$$

c) TRANSPOSTA OF A =>

* escalonamento

R2-1R1->R2 | 1 1 0 -1 0 | 2 | 1 1 0 -1 0 | 0 | 0 | 1 1 -1 -3 | 24-18184 | 0 -1 -1 2 2 | 0 1 1 -1 -3 | 0 0 0 -1 1

9) -1R4->R4 | 0 | 1 -2 -2 | R4-1R3->R4 | 0 | 1 -2 -2 | 0 0 0 1 -1 | 0 0 0 1 -1 |

 $R_{1}-1 \cdot R_{2} \rightarrow R_{1}$ | 10-103 $R_{1}-1 \cdot R_{2} \rightarrow R_{1}$ | 0110-4 => matriz em Forma escaba //

| 10-10 | 4 | PC=3/1 | 1ema b) | 10-103 | 4 | Pa=3/1 | 0000 | 4 | Pa=3/1

(SDI) letta c) sistema postuel e inpeterminano; gran de hiberdode: 1/1 pois a vanável x e y apotam infinitas souscoes para qualquer valor de

n < P / lLy incognition $(x = 3+2 \quad z = 2)$ * sourcos; (x - 2 = 3) y + z = -m