• Calculate determinantalis was matrice foliated nucleoned Gauss

A Foliated Gauss (GPP), calculate dissummental nucleice 
$$A = \begin{pmatrix} 2 + 0 \\ + 4 & 2 \\ -3 + 0 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & -1 & 0 \\ + 4 & 2 \\ -3 & 4 & 0 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & 4 & 0 \\ -1 & 4 & 2 \\ -3 & 4 & 0 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & 4 & 0 \\ -1 & 4 & 2 \\ -3 & 4 & 0 \end{pmatrix}$$

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$$A = \begin{pmatrix} 3 & 4 & 0 \\ -1 & 4 & 2 \\ -3 & 4 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & 4 & 0 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

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$$A = \begin{pmatrix} 3 & 4 & 0 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 4 & 0 & 1 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 4 & 0 & 1 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

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$$A = \begin{pmatrix} 4 & 0 & 1 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & -1 & -2 & -4 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & -1 & -2 & -4 \\ -1 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \\ -2 & 3 & -1 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & -1 & -2 & -4 \\ -1 & 3 & -1 \\ -2 &$$

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\* Daca vieunel din elementèle indicate ar fi fost \$ 0, afunci roug A = 3. (am fi putut alege un déterminant cu diagonala nemelà si sele diagonale principale zerowi, deci +0). 3) Fie A=(51). Determinati, A-1, florind metoda 697. F= (5 1) ( 0)  $\max \{ |\delta|, |1|, |8|, |2| \} = 8 = a_{21}$ - abjeur mox. elementelor in model => - interschinationalini / cologne pentru a muta privotal & pe diagonala principale, primul element - prin speratii algebrice, obtinem zerouri sub diagonale principala. - 4 - L2 (8 2 0 1) 12 - 3 - 1 (8 2 0 1) 5 1 1 0 1 5 8 Ostinem 2 s'steme:  $\begin{cases} 8y_1 + 2y_2 = 0 \\ -\frac{1}{4}y_2 = 1 \end{cases} \Rightarrow y_2 = -1 \Rightarrow y_1 = 1.$ (au folosit cofficienti din stanga liniei, d' termeni liberi prima colosna din dreapta livier)  $-\frac{1}{4}y_{2} = -\frac{5}{5} \implies y_{2} = \frac{5}{2} \implies y_{1} = -\frac{1}{2}$ and follows to add to the second se S 84, +242=1 ( au folosit conficiente d'u stanga liniei, si termense libere - a dona colonna din dreopta liviei)

$$A^{-1} = \begin{pmatrix} 1 & -\frac{1}{2} \\ -\frac{1}{3} \end{pmatrix} \quad (\text{whe friends dive enhanced } \times^{(1)} \delta_{1}^{2} \times^{(2)}).$$

$$- \text{ det } A = 52 - 8 \cdot 1 = 10 - 8 = 2 + 0$$

$$A^{-1} = \begin{pmatrix} 5 & 8 \\ 1 & 2 \end{pmatrix} \quad ; \quad A^{+} = \begin{pmatrix} 2 & -1 \\ -8 & 5 \end{pmatrix}$$

$$A^{-1} = \frac{1}{400} A \cdot A^{\frac{1}{2}} = \frac{1}{2} \cdot \begin{pmatrix} 2 & -1 \\ -8 & 5 \end{pmatrix} = \begin{pmatrix} 1 & -\frac{1}{2} \\ 4 & 5 \end{pmatrix}.$$

$$A^{-1} = \frac{1}{400} A \cdot A^{\frac{1}{2}} = \frac{1}{2} \cdot \begin{pmatrix} 2 & -1 \\ -8 & 5 \end{pmatrix} = \begin{pmatrix} 1 & -\frac{1}{2} \\ 4 & 5 \end{pmatrix}.$$

$$A^{-1} = \frac{1}{400} A \cdot A^{\frac{1}{2}} = \frac{1}{2} \cdot \begin{pmatrix} 2 & -1 \\ -8 & 5 \end{pmatrix} = \begin{pmatrix} 1 & -\frac{1}{2} \\ 4 & 5 \end{pmatrix}.$$

$$A^{-1} = \begin{pmatrix} 1 & 2 & -1 \\ 4 & 2 \end{pmatrix} \quad ; \quad A^{-1} = \begin{pmatrix} 2 & -1 \\ -2 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 2 & -1 \\ -2 & 4 & 2 \\ 2 & 0 & 0 \end{pmatrix} \cdot \begin{pmatrix} 4 & -1$$

$$\begin{cases}
-2 y_1 + y_2 + 2 y_3 = 1 \\
\frac{5}{2} y_2 = \frac{1}{2} = 3 \\
2 y_3 = \frac{4}{5} = 3
\end{cases} \quad y_2 = \frac{1}{5}$$

$$(2)$$
  $(2)$   $(3)$   $(3)$   $(4)$   $(5)$   $(2)$   $(5)$   $(2)$   $(5)$   $(2)$   $(5)$   $(2)$   $(3)$   $(4)$   $(5)$ 

$$\begin{cases}
-2y_1 + y_2 + 2y_3 = 0 \\
\frac{5}{2}y_2 = 0 \\
2y_3 = 1 = y_3 = \frac{1}{2}
\end{cases}$$

$$\chi^{(3)} = \begin{pmatrix} \frac{1}{2} \\ 0 \\ \frac{1}{2} \end{pmatrix}$$
Wear
$$A^{-1} = \begin{pmatrix} 0 & \frac{1}{2} \\ 0 & \frac{1}{2} \\ -\frac{1}{5} \end{pmatrix}$$

$$=$$
)  $-2y_1+0+1=0=$ )  $y_1=\frac{1}{2}$ 

Fativity are UV

A) Six to regalize pain methods LU on GFP siternal Az=4, under

$$A = \begin{pmatrix} 4 & 0 & 1 \\ 2 & 1 & 1 \end{pmatrix}$$
,  $A = \begin{pmatrix} 11 \\ 8 \\ 8 \end{pmatrix}$ .

 $A = \begin{pmatrix} 4 & 0 & 1 \\ 2 & 1 & 1 \end{pmatrix}$ ,  $A = \begin{pmatrix} 11 \\ 8 \\ 8 \end{pmatrix}$ .

Multiplication  $A = \begin{pmatrix} 11 \\ 2 & 1 & 1 \end{pmatrix}$ 

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 $A$ 

$$A_{A} = b_{AN_{A}}, b_{A}^{1} = b_{AN_{A}}, b_{B}^{1} = b_{AN_{A}}$$

$$A_{X} = b_{A} = b_{A}^{1} + b_{A}^{1} + b_{A}^{2} = b_{A}^{1} + b_{A}^{2} = b_{A}^{2} + b_{A}^{2} + b_{A}^{2} = b_{A}^{2} + b_{A}^{2} + b_{A}^{2} = b_{A}^{2} + b_{A}^{2} = b_{A}^{2} + b_{A}^{2} + b_{A}^{2} + b_{A}^{2} = b_{A}^{2} + b_{$$

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