Calcular de+(A) usando Elimine = Caussiano:

pelo que, det (A) = 1 x 1 x 4 x 9 = 18

Teorene: Lyè A 21 = 6 un sisteme de 14 equeções em 4 invognitais. Guted,

(i) Se det (A) \$0,0 nisteure A 2 = > tem soluçõo rémice

(ii) Se det(A)
$$\neq 0$$
, a soluzio $x = (x_i)$ pode su obtide de $x_i = \frac{\det(A^{(i)})}{\det(A)}$, $(i=1,...,n)$ (Regre de Cramer)

onde A'i' denota a metret que resulte de A substituinde a colune i pulo victor b dos termos independentes.

Sinds
$$A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2 & 1 \\ 0 & -1 & 0 \end{pmatrix}$$
 enter $A^{(1)} = \begin{pmatrix} 1 & 0 & 1 \\ 3/2 & 2 & 1 \\ 1/4 & -1 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 1 \\ 0 & 3/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 0 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 1/4 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 1/4 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 1/4 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 1/4 \end{pmatrix}$ $A = \begin{pmatrix} 1 & 0 & 1 \\ 0 & 2/2 & 1 \\ 1 & 1/4 & 1/4 \end{pmatrix}$ $A = \begin{pmatrix}$