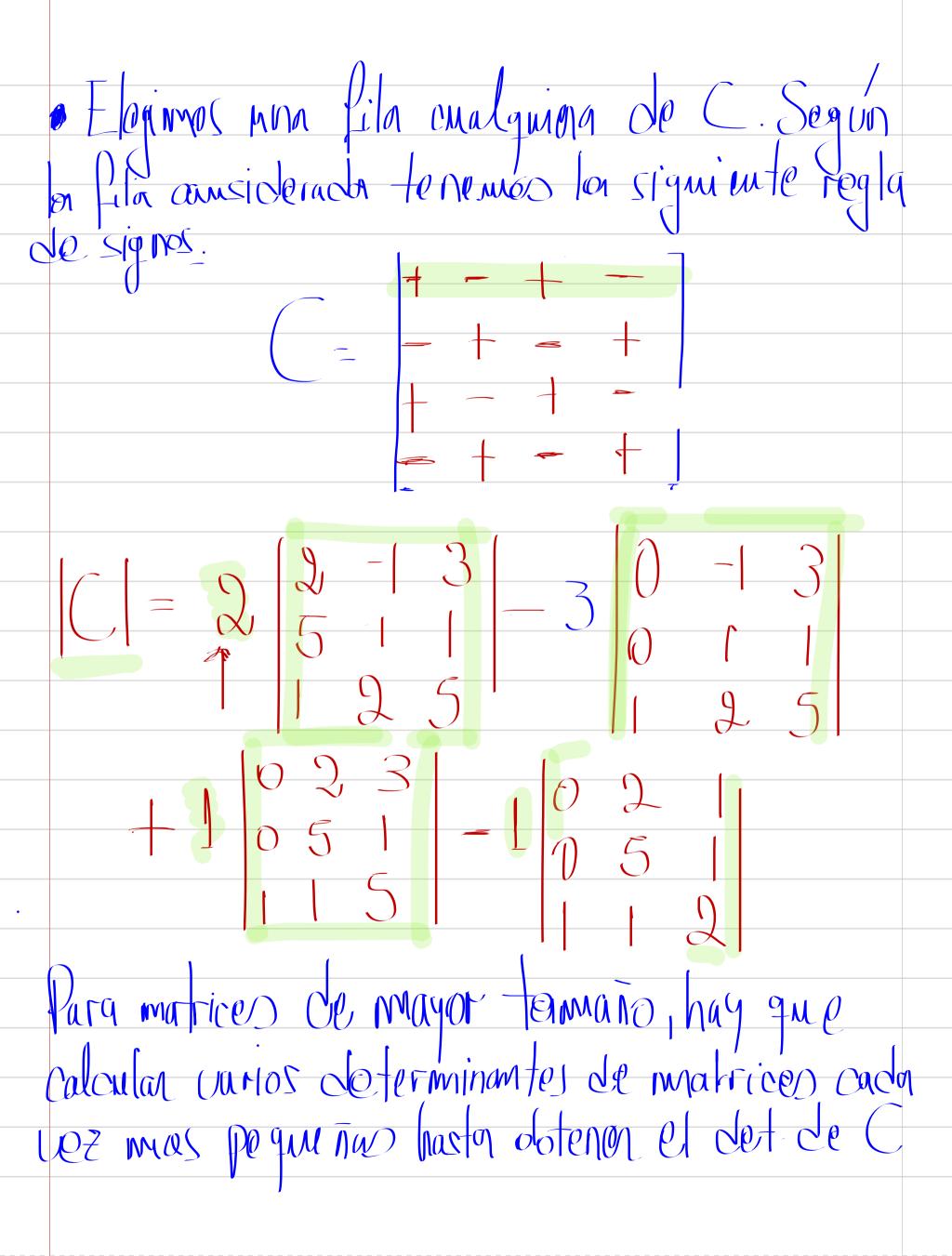
BUAS5 TP4 A= 1 los deferminantes de mat.

Se 2 2 2 500 foi mons Pacifos A = 4.3 - 5.7 = -23= 14 = -2.3Ops: Como A 70, por teoroma signe and A es invertible — existe A-1 C= 0 2 -1 3 Desarrollo de 1 1 2 5 1 Daplace



$$\begin{vmatrix} 2 & -13 \\ 5 & 1 & 1 \\ 2 & 5 \end{vmatrix} = 2 \begin{vmatrix} 1 & 1 \\ 2 & 5 \end{vmatrix} - (-1) \begin{vmatrix} 5 & 1 \\ 5 & 1 \\ 2 & 5 \end{vmatrix}$$

$$= 2 \left(1.5 - 2.1 \right) + 1 \left(5.5 - 1.1 \right) + 3 \left(5.2 - 1.1 \right)$$

$$= 2 \left(1.5 - 2.1 \right) + 1 \left(5.5 - 1.1 \right) + 3 \left(5.2 - 1.1 \right)$$

$$= 6 + 2.4 + 2.7 = 5.7$$

$$\begin{vmatrix} 0 & -1.3 \\ 0 & 1 & 1 \\ 2.5 & 1 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & 1 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix} = 0 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix} 1 & 1 \\ 2.5 & -0 \end{vmatrix}$$

$$= 6 + 2 \begin{vmatrix}$$

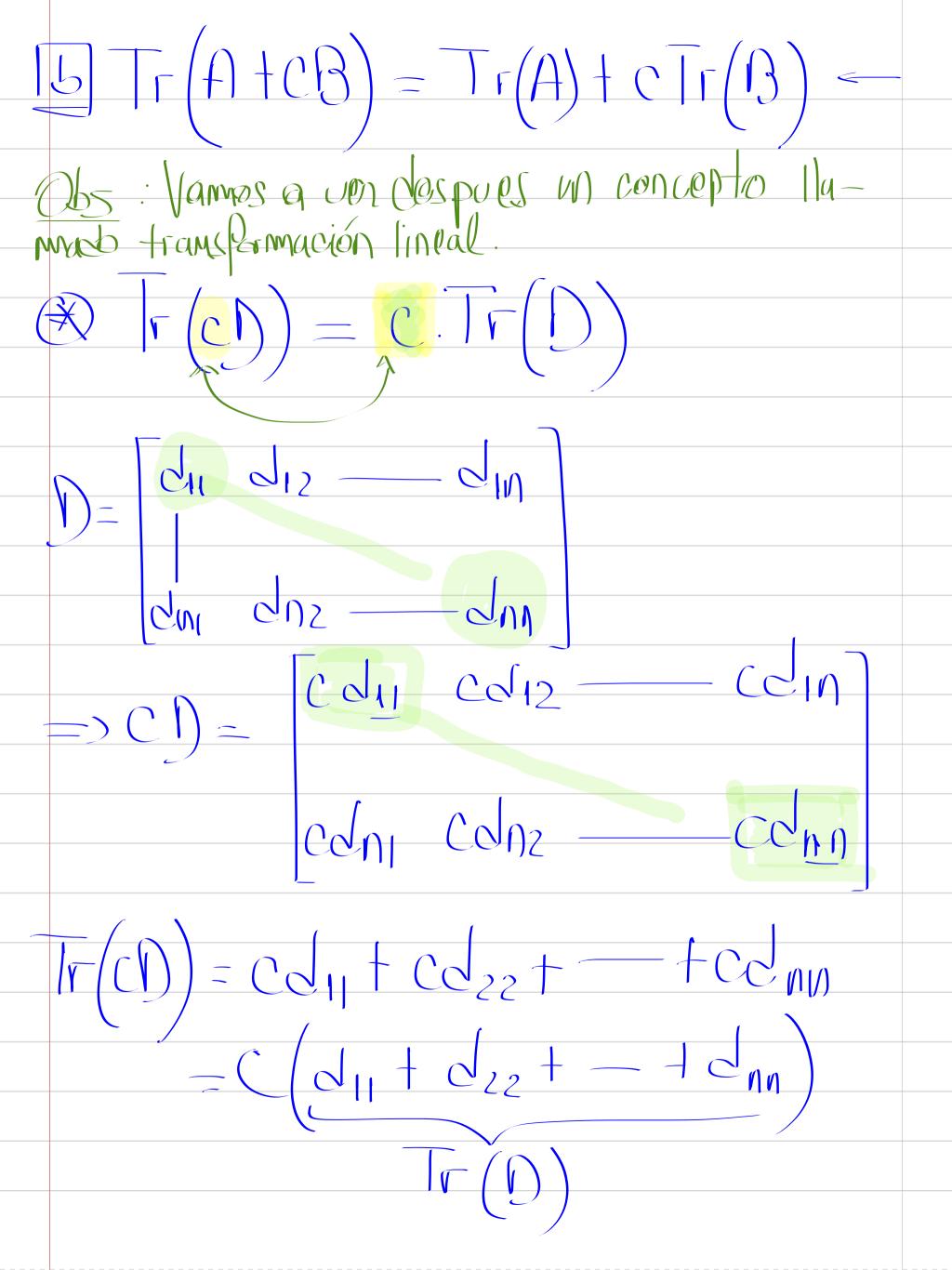
C = 2.57-3 (-4) + 1 (-13) - 1.7 C = 106 Determina of valores de CERtal que la matriz A sea inversible A 2 -1 2 -1 C -C C

En q teoriar, ten emos el signiente les 100: 3: 1A +0 eut. existe A

$$|A| = -C(-1.C - C(-1)) - C(C-2C)$$

$$= C^{2}$$

1 +0 => C +0 => C +0



$$Tr(C) = CTr(D)$$

$$Tr(A+B) = Tr(A) + Tr(B)$$

$$A = \begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{1n} & a_{1n} & \cdots & a_{1n} \end{bmatrix}$$

$$A = \begin{bmatrix} a_{11} & b_{12} & \cdots & a_{1n} \\ b_{1n} & b_{12} & \cdots & b_{1n} \end{bmatrix}$$

$$A = \begin{bmatrix} b_{11} & b_{12} & \cdots & b_{1n} \\ b_{1n} & b_{12} & \cdots & b_{1n} \end{bmatrix}$$

$$A = \begin{bmatrix} b_{11} & b_{12} & \cdots & b_{1n} \\ b_{1n} & b_{1n} & \cdots & b_{1n} \end{bmatrix}$$

$$A = \begin{bmatrix} a_{11} + b_{11} & \cdots & a_{1n} + b_{1n} \\ a_{11} + b_{11} & \cdots & a_{1n} + b_{1n} \end{bmatrix}$$

$$Tr(A + B) = (a_{11} + \cdots + a_{1m}) + (b_{11} + \cdots + b_{1m})$$

$$Tr(A + B) = Tr(A) + Tr(B)$$

$$= Tr(A) + CTr(B)$$

$$= Tr(A) + CTr(B)$$

$$P = \begin{bmatrix} 1 & 2 & -1 \\ 1 & 0 & 1 \\ 2 & 3 & 0 \end{bmatrix}$$

$$Restan F2$$

$$a_{1} F_{1}$$

$$b_{2} F_{3}$$

$$b_{3} F_{4}$$

$$b_{4} F_{2}$$

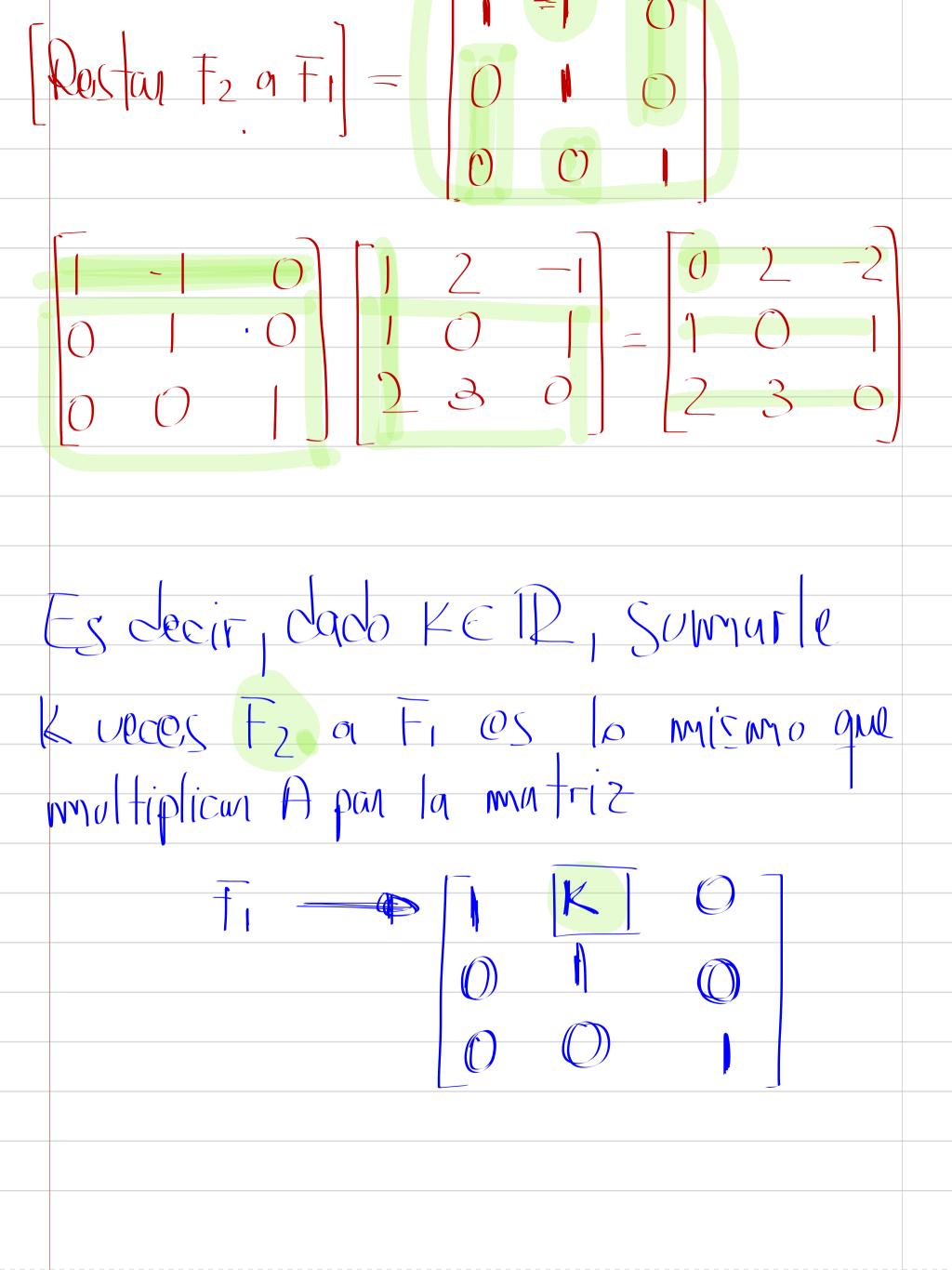
$$b_{5} F_{4}$$

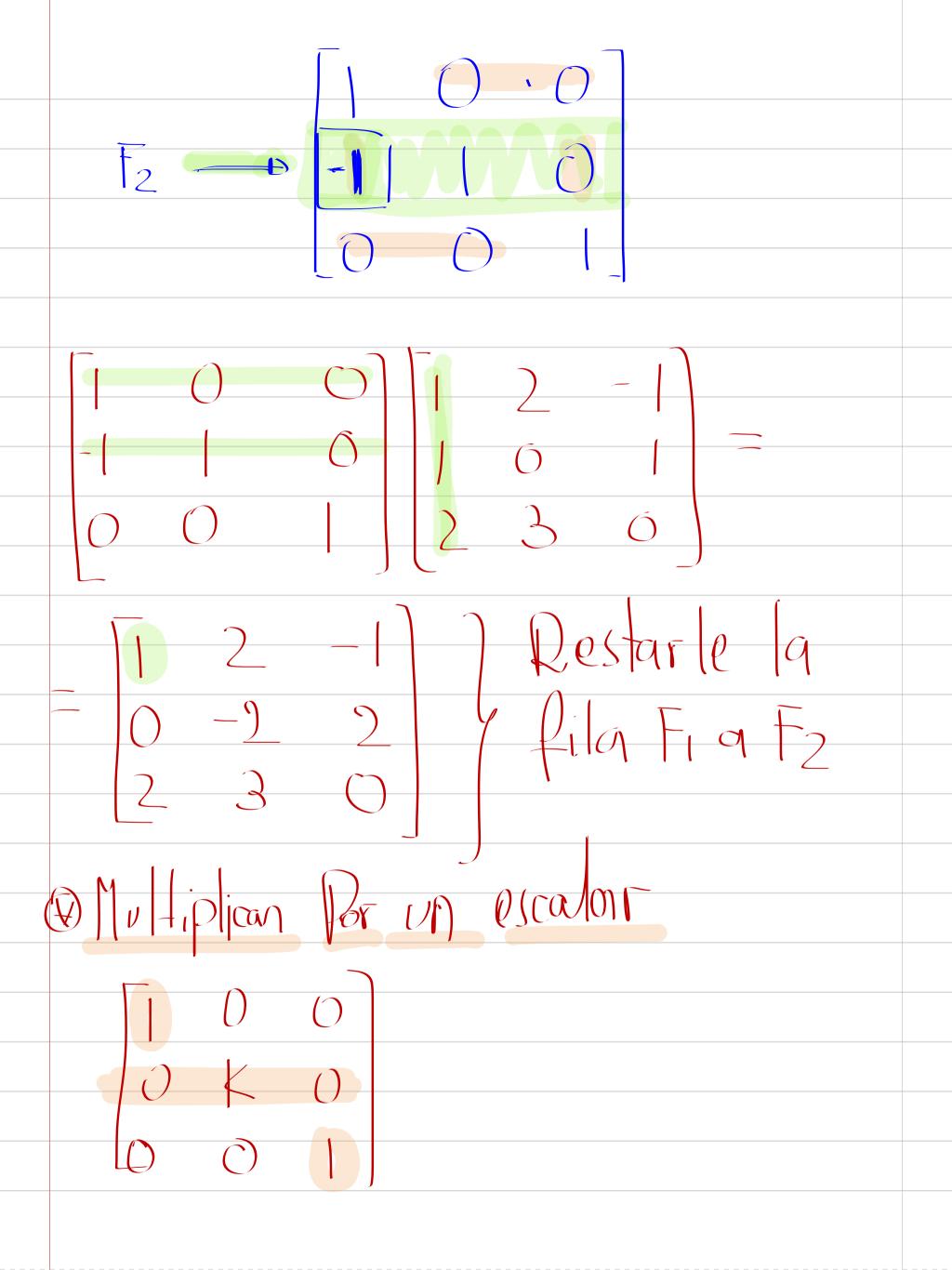
$$b_{7} F_{2}$$

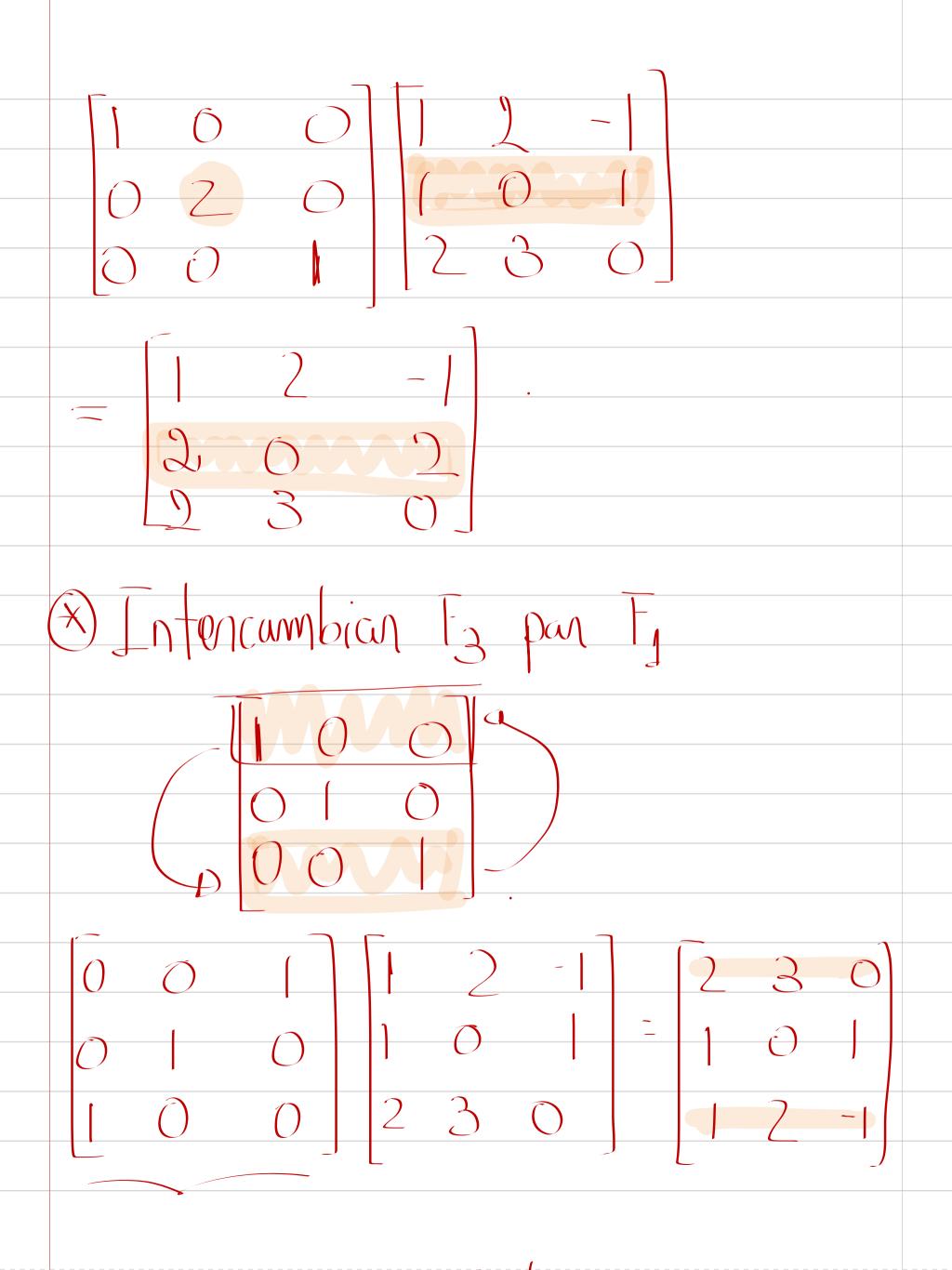
$$c_{1} F_{2}$$

$$c_{2} F_{3}$$

$$c_{3} F_{4}$$







Extalgm Ex EA = [] to Seguro axisten a $\begin{bmatrix} Q_{11} & \cdots & Q_{1n} \\ \vdots & \ddots & \ddots \\ Q_{n1} & \cdots & Q_{nn} \end{bmatrix} \xrightarrow{\chi} \begin{bmatrix} \chi & \cdots & \chi \\ \chi & \cdots & \chi \\ Q_{n1} & \cdots & Q_{nn} \end{bmatrix}$ Do existen tale Ex 2 - Panopul 2 - Panopul La matriz P) no el inversible

