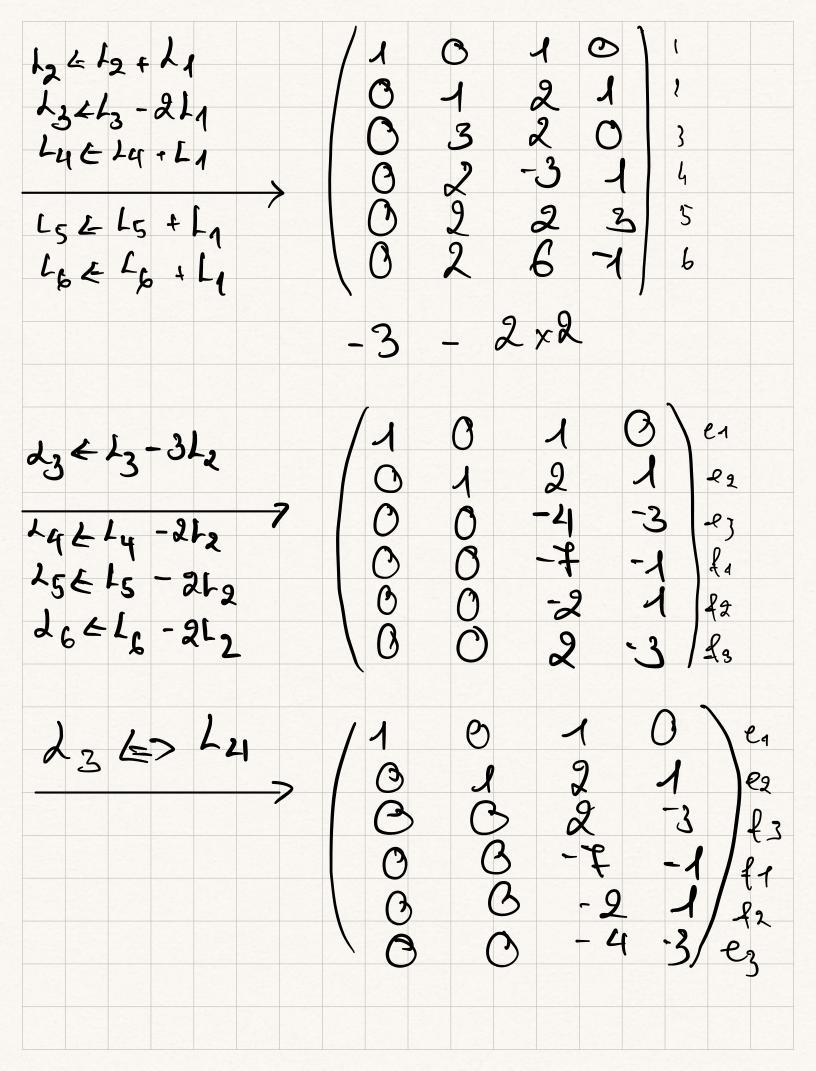
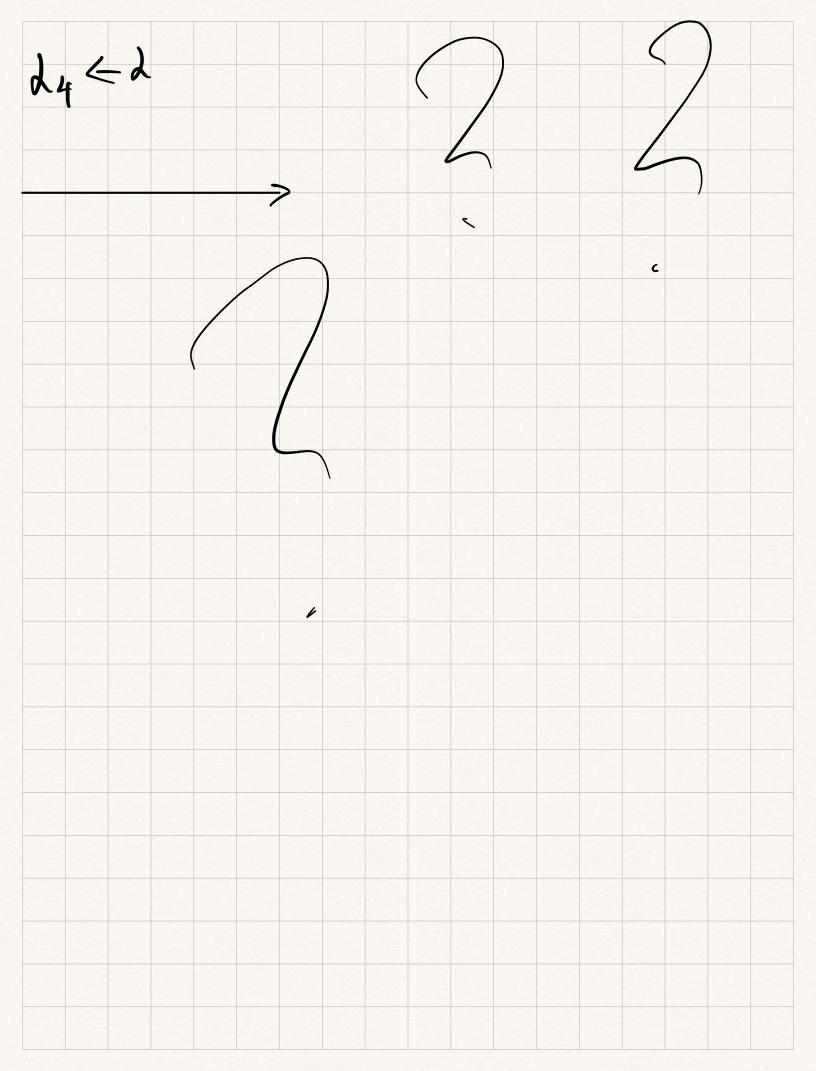
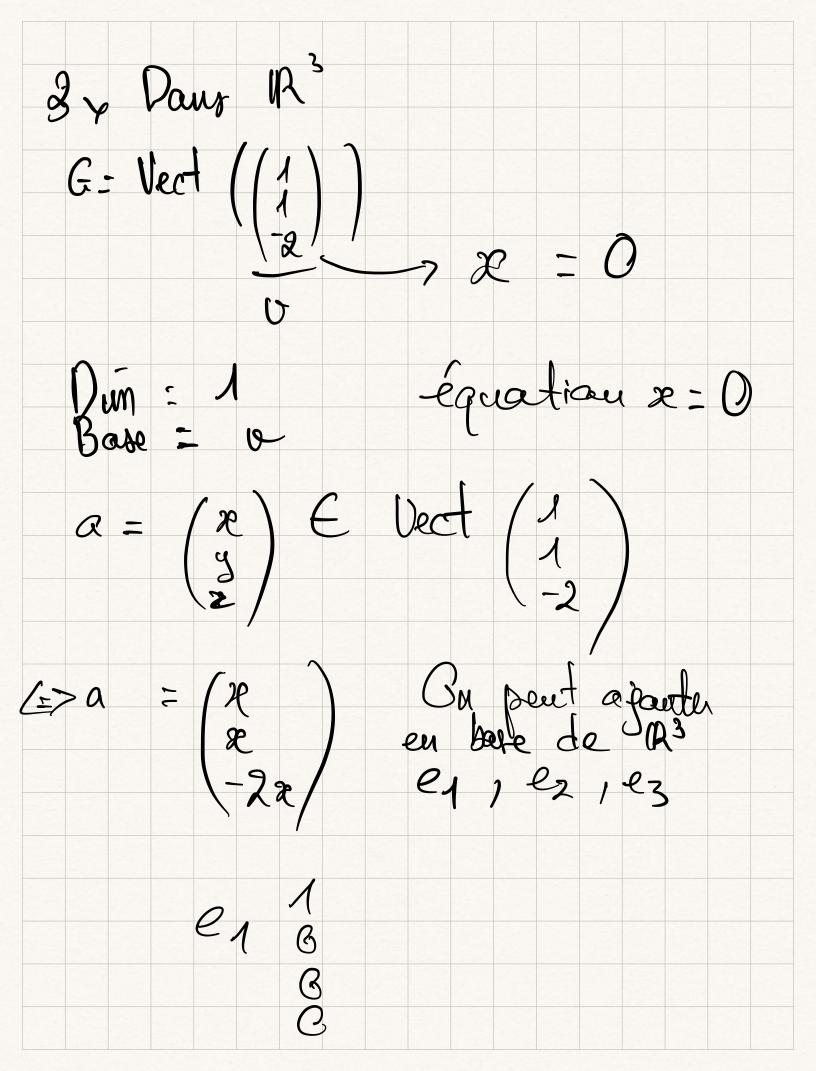
Fro 1

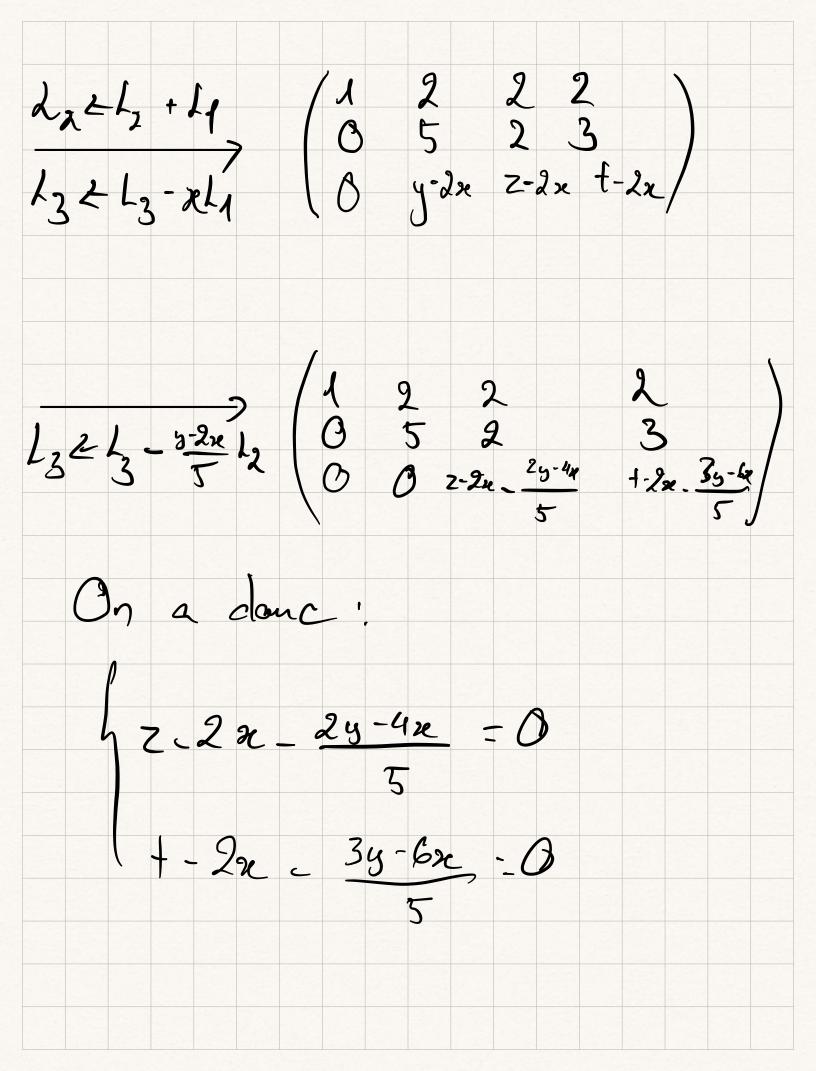
$$a_1 = \begin{pmatrix} 2 \\ -2 \\ 3 \\ 1 \end{pmatrix}$$
 $a_2 = \begin{pmatrix} -1 \\ 4 \\ -6 \\ -2 \end{pmatrix}$
 $a_3 = \begin{pmatrix} -1 \\ 4 \\ -6 \\ -2 \end{pmatrix}$
 $a_4 \begin{pmatrix} -1 \\ 2 \\ -3 \end{pmatrix}$
 $a_4 \begin{pmatrix} -1 \\ 2 \\ 2 \end{pmatrix}$

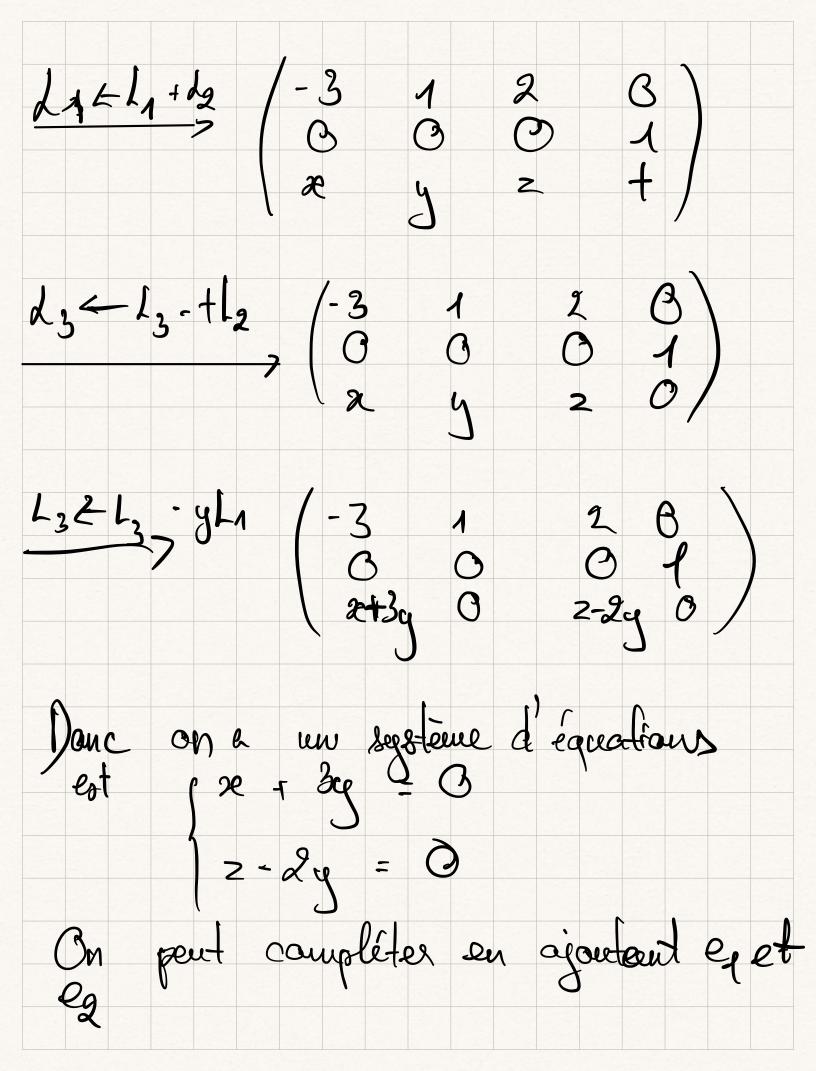


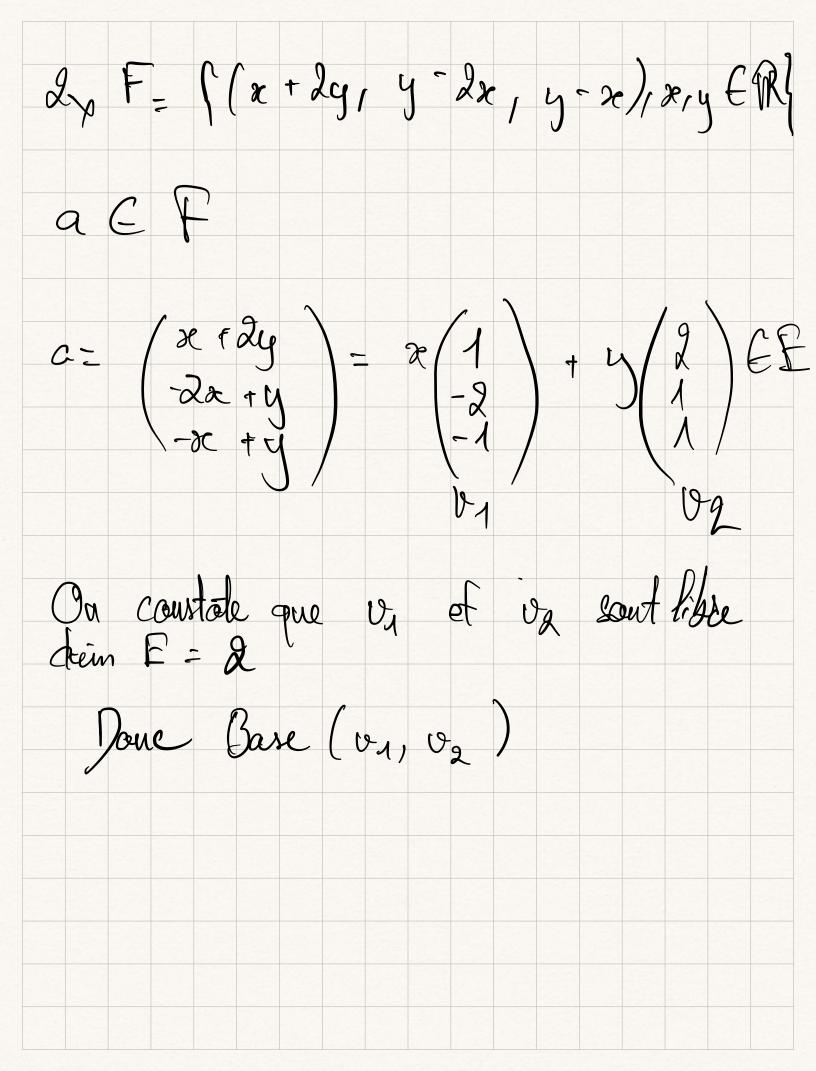


20 1 G = 0 ableur une bosse de 123 et (01, 02) libre donc (01, 02) faroment me base Den = 2 Or, plat ajouter e1, e2 ou e3 pour compléter









2y F= 1(2e+2ey, y-2x, y-x)x, g ER/ $a = \begin{pmatrix} x + dy \\ y - dx \end{pmatrix} = \begin{pmatrix} x \\ -2x \end{pmatrix} + \begin{pmatrix} 2y \\ y \end{pmatrix}$ $y - x \end{pmatrix}$ $= \begin{pmatrix} 1 \\ -2 \\ -1 \end{pmatrix} + \begin{pmatrix} 4 \\ 2 \\ 1 \end{pmatrix}$ On constate que (v, v2) sont libres car ils sont pas coloréaire une base - 2 donc (02, 04) fament

