```
3. TRANSFORMACIONES LINEALES, MATRICES DE TRANSFORMACIÓN LINEAL,
             \begin{cases} \begin{pmatrix} 4 & -4 \\ 5 & -4 \end{pmatrix} = \begin{pmatrix} 4 & 0 & -1 \\ 5 & 1 & 4 \end{pmatrix} & \text{a)} & \text{Show the } \mathbb{N}_{2} \\ N_{1} = \begin{pmatrix} 6 & 2 \\ 6 & 4 \end{pmatrix} \in \mathbb{R}^{2N} / \left\{ \begin{pmatrix} 6 & b \\ 6 & 4 \end{pmatrix} \in \begin{pmatrix} 6 & 0 \\ 0 & 0 & 0 \end{pmatrix} \right\}
             | Nutropy | Nutr
                                                                                                                                                                                                                                                                             d=0 dim Nof=0
                                                                    DAR LA Im (f):
                                                                             Dimf = { (100) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TEO DE LA DIMENSIÓN
                                                   For gut has even yenow...
a) f: R^{2+2} \rightarrow R: f(A) = f_1(A); f_2(A) = f_2(A) = f_3(A) = f_4(A) = f_4(A)
                                                                  |\mathsf{N}^{\mathsf{o}}[t] = \left( \begin{pmatrix} c & \mathsf{q} \\ \mathsf{q} & \mathsf{p} \end{pmatrix} \in \mathcal{L}_{\mathsf{XXY}} \setminus \mathsf{q} = -\mathsf{q} \cdot \int_{\mathsf{q}}^{\mathsf{q}} \cdots \int_{\mathsf{q}}^{\mathsf{q}} \left( \begin{matrix} c & \mathsf{q} \\ \mathsf{p} \\ \mathsf{q} \end{matrix} \right) \rightarrow \mathsf{q}_{\mathsf{q}} \mathsf{q}_{\mathsf{q}} \mathsf{q}_{\mathsf{q}} \mathsf{q}_{\mathsf{q}} 
                                                                                         f\left(\frac{a}{c},\frac{b}{a}\right) = 0 \qquad a_{M} = -a_{2,2}.
B N_{M+1}\left\{\begin{pmatrix} c & d \\ c & f \end{pmatrix}, \begin{pmatrix} c & d \\ c & g \end{pmatrix}, \begin{pmatrix} c & c \\ c & g \end{pmatrix}\right\} \qquad NO ES INYECTIVA
a_{M+1} = 0
a_{M
                                                                                                                                                                                                                                                                                                              Int - R

Dint = { 3 } : olim Int = 1

d. 3 ∈ R
                                                                    dim Rixz = 4
                                                                    dim No (1) = 3
                                                                    dim In(+)=1
                                                                                                                                                                                                                                                                                                                     8 Int = {-1}
                                                                                                                                                                                                                                                                                                                         λ(-1) € R
```

file:///C:/Users/Luis Mehle/Documents/WHITEBOARD 1/Ejercicios U3. UNLaM..svg