```
E = \begin{bmatrix} 10000 \\ 01000 \\ 00100 \\ 00010 \\ 00001 \end{bmatrix}
                                                                                          5 E = ($0000)
0 0 500
0 0 0 50
0 0 0 0 5
          | 50000 | 10000 | 05000 | 01000 | 00500 | 000100 | 00001
                                                                                                                                                          150000
05000
0050
0005
0000 5
                                                                                                                        10000
                                                                                                                  01000
  (5E) = \begin{pmatrix} \frac{1}{5} & 0 & 0 & 0 \\ 0 & \frac{1}{5} & 0 & 0 & 0 \\ 0 & 0 & \frac{1}{5} & 0 & 0 \\ 0 & 0 & 0 & \frac{1}{5} & 0 \end{pmatrix}
       N5.2
     \begin{pmatrix} 1 & 2 & 3 \\ 4 & 0 & 6 \end{pmatrix} = 1 \begin{vmatrix} 0 & 6 \\ 8 & 6 \end{vmatrix} - 2 \begin{vmatrix} 4 & 6 \\ 2 & 6 \end{vmatrix} + 3 \begin{vmatrix} 4 & 6 \\ 7 & 8 \end{vmatrix} = -48 + 2.18 + 3.32 = 84
  N5.3
A= 1 23
406 ; det A = 84;
Maigin Marquey us acceptuareaux gorasucresi:

A_{11} = 1 \begin{vmatrix} 06 \\ 86 \end{vmatrix} = -48
A_{21} = -1 \begin{vmatrix} 23 \\ 86 \end{vmatrix} = 12
A_{31} = 1 \begin{vmatrix} 06 \\ 06 \end{vmatrix} = 12
A_{12} = -1 \begin{vmatrix} 46 \\ 26 \end{vmatrix} = 18
A_{22} = 1 \begin{vmatrix} 43 \\ 76 \end{vmatrix} = -15
A_{33} = -1 \begin{vmatrix} 46 \\ 46 \end{vmatrix} = 6
A_{13} = 1 \begin{vmatrix} 46 \\ 78 \end{vmatrix} = 32
A_{23} = -7 \begin{vmatrix} 42 \\ 78 \end{vmatrix} = 6
A_{33} = 1 \begin{vmatrix} 42 \\ 46 \end{vmatrix} = -8
     12 -15 6
```

 $\begin{array}{c}
\mathcal{N}2. \\
A = \begin{pmatrix} 1000 \\ 0000 \\ 0000 \end{pmatrix}; Rank(A) = 7 \\
\mathcal{N}5. 4 \\
\bar{\alpha} = (1,5); \delta = (2,5) \\
\bar{\alpha} \cdot \bar{\delta} = 1.2 + 5.8 = 2 + 40 = 42
\end{array}$ $\begin{array}{c}
\mathcal{N}5.5 \\
\bar{\alpha} = (7,5,0); \bar{\mathcal{C}} = (2,8,7); \bar{\mathcal{C}} = (2,7,5,3) \\
\bar{\alpha} = (7,5,0); \bar{\mathcal{C}} = (2,8,7); \bar{\mathcal{C}} = (2,7,5,3)
\end{array}$ $\begin{array}{c}
\bar{\alpha} = (7,5,0); \bar{\mathcal{C}} = (2,8,7); \bar{\mathcal{C}} = (2,7,5,3) \\
\bar{\alpha} = (7,5,0); \bar{\mathcal{C}} = (2,8,7); \bar{\mathcal{C}} = (2,7,5,3)
\end{array}$