

$$A = \begin{bmatrix} 3 & 2 & -1 \\ 0 & 4 & 5 \end{bmatrix}$$

2x3

$$B = \begin{bmatrix} 3 & 0 \\ x & 7 \end{bmatrix}$$

DIAG SECONDARIA

DIAG PRINCIPALE

2x2

$$C = \begin{bmatrix} 3 & 7 & 5 & -2 \\ 0 & 4 & x & 2 \\ 1 & 5 & 2 & 10 \\ -6 & y & 0 & 2 \end{bmatrix}$$

$$D = \begin{bmatrix} 7 & 0 & 0 \\ 0 & x & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

DIAG

DIAGONALE

$$I_3 = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad \text{IDENTITA}$$

$$O_2 = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$$

$$A = [a_{ij}], \quad \begin{matrix} i=1, \dots, m \\ j=1, \dots, n \end{matrix}$$

$$A^T = [a_{ji}]$$

$$A = \begin{bmatrix} 2 & 3 & 5 \\ -1 & 0 & 2 \end{bmatrix} \quad 2 \times 3$$

$$A^T = \begin{bmatrix} 2 & -1 \\ 3 & 0 \\ 5 & 2 \end{bmatrix} \quad 3 \times 2$$

$$N = \begin{bmatrix} 2 & 3 & -1 & 4 \end{bmatrix} \quad 1 \times 4$$

$$N^T = \begin{bmatrix} 2 \\ 3 \\ -1 \\ 4 \end{bmatrix} \quad 4 \times 1$$

$$(I_s)^T = I_s$$