## Hlyebra

$$A = \begin{bmatrix} 1 & 1 \\ 2 & 1 \end{bmatrix}$$

A = [1 2] [Loluna vira linha

$$A^T = \begin{bmatrix} 1 & a \\ 2 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & -1 & 3 & 4 \\ 3 & 1 & 2 & -1 & -2 \\ 5 & 5 & 0 & 5 & 6 \\ 6 & 2 & 4 & -2 & 0 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & -1 & 3 & 4 \\ 0 & -5 & -1 & -16 \\ -16 & 2 & -2 & -16 \\ -16 & 2 & -2 & -26 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & -1 & 3 & 4 \\ 0 & -5 & -1 & -10 & -16 \\ 0 & -5 & 5 & -10 & -17 \\ 0 & -1 & -10 & -20 & -27 \\ -16 & 2 & -2 & -26 \end{bmatrix}$$

Matriz inversa:

$$\Rightarrow AB = BA = I$$
;

$$(K \ W)_{-1} = \frac{K}{7} V_{-1}$$

$$(AB)^{-1} = A^{-1}$$

$$(AB)^{-1} = B^{-1}A^{-1}$$

$$(A^{m})^{-1} = (A^{-1})^{m}$$

$$(A^{T})^{-1} = (A^{-1})^{T}$$

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Obter Invirsa:

$$A = \begin{bmatrix} 1 & -1 \\ 2 & -1 \end{bmatrix} \qquad A^{-1} = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

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