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

Rem. The reduced row echelon form of a matrix is unique.

- Gauss-Jordan elimination.
  1. Form the augmented matrix
  2. Use elementary row operations to reduce the augmented matrix to reduced row echelon form