

Matrices inversas.

$$(A | I) = \left(\begin{array}{ccccc|ccccc} a_{11} & a_{12} & a_{13} & \dots & a_{1n} & 1 & 0 & 0 & \dots & 0 \\ a_{21} & a_{22} & a_{23} & \dots & a_{2n} & 0 & 1 & 0 & \dots & 0 \\ a_{31} & a_{32} & a_{33} & \dots & a_{3n} & 0 & 0 & 1 & \dots & 0 \\ \vdots & \vdots & \vdots & \ddots & \vdots & \vdots & \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & a_{n3} & \dots & a_{nn} & 0 & 0 & 0 & \dots & 1 \end{array} \right)$$

Transformaciones
realizadas con las
operaciones a) y b)

$$\left(\begin{array}{ccccc|ccccc} 1 & 0 & 0 & \dots & 0 & b_{11} & b_{12} & b_{13} & \dots & b_{1n} \\ 0 & 1 & 0 & \dots & 0 & b_{21} & b_{22} & b_{23} & \dots & b_{2n} \\ 0 & 0 & 1 & \dots & 0 & b_{31} & b_{32} & b_{33} & \dots & b_{3n} \\ \vdots & \vdots & \vdots & \ddots & \vdots & \vdots & \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & 0 & \dots & 1 & b_{n1} & b_{n2} & b_{n3} & \dots & b_{nn} \end{array} \right) = (I | A^{-1})$$