$$\begin{pmatrix} a & b & c & d & e \\ 1 & -1 & 2 & -1 & -8 & 0 \\ 2 & -2 & 3 & -3 & -20 & 0 \\ 1 & 1 & 1 & 0 & -2 & 0 \\ 1 & -1 & 4 & 3 & 4 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 1 & -1 & 2 & -1 & -8 & 0 \\ 2 & -2 & 3 & -3 & -20 & 0 \\ 1 & 1 & 1 & 0 & -2 & 0 \\ 1 & -1 & 4 & 3 & 4 & 0 \end{pmatrix}$$

$$\tilde{A}^{(2)} = \begin{pmatrix} a_1 & b_1 & c_1 & d_1 & \text{Operaci\'on realizada} \\ 1 & -1 & 2 & -1 & -8 \\ 2 & -2 & 3 & -3 & -20 \\ 1 & 1 & 1 & 0 & -2 \\ 1 & -1 & 4 & 3 & 4 \end{pmatrix} \quad \begin{array}{c} \text{Operaci\'on realizada} \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$$