$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 3 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{11} = -21 \quad A_{11} = -21$$

$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 3 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{12} = -11 \quad A_{12} = +11$$

$$\begin{pmatrix} 3 & 1 & 1 \\ 2 & 0 & 3 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{13}=14 \quad A_{13}=+14$$

$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 3 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{21} = -33 \ A_{21} = +33$$

$$\begin{pmatrix} 3 & 5 \\ 2 & 3 \\ 5 & 2 \end{pmatrix}$$

$$\alpha_{22} = -19 \quad A_{22} = -19$$

$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 5 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{23}=16 \ A_{23}=-16$$

$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 3 \\ 7 & 2 \end{pmatrix}$$

$$\alpha_{31}=3 A_{31}=+3$$

$$\begin{pmatrix} 3 & 5 & 5 \\ 2 & 0 & 3 \\ 5 & 2 & 2 \end{pmatrix}$$

$$\alpha_{32} = -1 A_{32} = +1$$

$$\begin{pmatrix} 3 & 1 & 5 \\ 2 & 0 & 3 \\ 5 & 7 & 2 \end{pmatrix}$$

$$\alpha_{33} = -2 \quad A_{33} = -2$$