Find the minor and co – factors of elements $a_{11}$ , $a_{12}$ , $a_{23}$ , $a_{33}$ of the determinant.

$$\Delta = \begin{vmatrix} -1 & 2 & 4 \\ 0 & -5 & 3 \\ 6 & -7 & -9 \end{vmatrix}$$

Solution :

$$M_{11} = \begin{vmatrix} -5 & 3 \\ -7 & -9 \end{vmatrix} = 66 \qquad C_{11} = 66$$

$$M_{12} = \begin{vmatrix} 0 & 3 \\ 6 & -9 \end{vmatrix} = -18 \qquad C_{12} = 18$$

$$M_{23} = \begin{vmatrix} -1 & 2 \\ 6 & -7 \end{vmatrix} = -5 \qquad C_{23} = 5$$

$$M_{33} = \begin{vmatrix} -1 & 2 \\ 0 & -5 \end{vmatrix} = 5 \qquad C_{33} = 5$$

Return To Top