

Determinants - Class XII

Related Questions with Solutions

Questions

Question: 01

A 3×3 square matrix $M = [a_{ij}]$ is taken, where value of each element is determined as $a_{ij} = i \times j$, then the largest value of the minors of given elements is

- A. -1
- B. 0
- C. 1
- D. 4

Solutions

Solution: 01

Clearly, $M = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 4 & 6 \\ 3 & 6 & 9 \end{bmatrix}$

Since minor of each element is 0, therefore largest value of the minors is 0.

Correct Options

Answer:01

Correct Options: B