

Determinants - Class XII

Related Questions with Solutions

Questions

Question: 01

The value of the determinant $\begin{vmatrix} 1 & \log_b a \\ \log_a b & 1 \end{vmatrix}$ is equal to

- A. 1
- B. $\log_a b$
- C. $\log_b a$
- D. 0

Solutions

Solution: 01

$$\begin{aligned}\Delta &= 1 \cdot 1 - \log_b a \times \log_a b \\ &= 1 - 1 = 0\end{aligned}$$

Correct Options

Answer:01

Correct Options: D