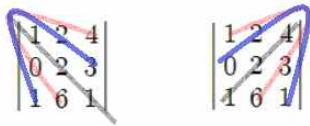


1. 다음 행렬식의 값을 구하여라.

$$\begin{vmatrix} 1 & 2 & 4 \\ 0 & 2 & 3 \\ 1 & 6 & 1 \end{vmatrix}$$

Sol)



$$\begin{aligned} &= (1 \cdot 2 \cdot 1) + (4 \cdot 0 \cdot 6) + (3 \cdot 2 \cdot 1) \\ &\quad - (1 \cdot 2 \cdot 4) - (0 \cdot 2 \cdot 4) - (1 \cdot 3 \cdot 6) \\ &= 2 + 0 + 6 \\ &\quad - 8 - 0 - 18 \\ &= -18 \end{aligned}$$