

$\det(A) \Rightarrow$ short cut method

Friday 20 November 2020 09:59

1	2	3		1	2
4	1	5		4	1
6	0	2		6	0

$$= \overset{2}{(1 \times 1 \times 2)} + \overset{60}{(2 \times 5 \times 6)} + \overset{0}{(3 \times 4 \times 0)}$$

$$- \overset{16}{(2 \times 4 \times 2)} + \overset{0}{(1 \times 5 \times 0)} + \overset{18}{(3 \times 1 \times 6)}$$

$$= (2 + 60 + 0) - (16 + 0 + 18)$$

$$= 62 - (34)$$

$$\det A = \boxed{28}$$