4. 2	Properties of Determinant
⇒ demo	Properties of Determinant strated by $2x2$ matrix at $\begin{bmatrix} a & b \\ c & d \end{bmatrix}$ = ad -bc.
@ Basic	Properties.
1. 0	et I = 1.
	determinant changes sign when two rows are exchanged
3. The	determinant depends knearly on the first row.
4%)	A+ a' b+b' A - B A' b' C d C 1988 + C d
	$\begin{vmatrix} ta & tb \\ c & d \end{vmatrix} = \begin{vmatrix} t & a & b \\ c & d \end{vmatrix}$
	$(A + B) \neq det(A) + det(B)$
· det	$\begin{array}{cccc} (& \downarrow A) & \Rightarrow & \not d \ et(A) \\ & & \downarrow & & \downarrow \uparrow \\ \end{array} $
Addit	ional Properties by 1~3.
4. 1	If two rows are equal, then $det(A) = 0$. \Rightarrow by prop. 2

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