

極限的基本性質

$$\text{求 } \lim_{x \rightarrow 1} \frac{x-1}{x^2-3x+2} \quad (x-1)(x-2)$$

$$= \lim_{x \rightarrow 1} \frac{\cancel{x-1}}{\cancel{(x-1)}(x-2)}$$

$$= \lim_{x \rightarrow 1} \frac{1}{x-2} \quad (-2 = -1)$$

$$= -1$$