有我感数

(FRI)

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$$\lim_{n\to\infty} \left(1+\frac{a}{n}\right)^n = e^{a}$$

三.数

$$\lim_{n\to\infty} as_{\overline{Z}} as_{\overline{Z}} \cdots as_{\overline{Z}} = \frac{1}{2} \sin \frac{\pi}{2^{n-1}}$$

$$\lim_{n\to\infty} as_{\overline{Z}} as_{\overline{Z}} \cdots as$$

$$= \frac{2\lambda}{x \to \infty} \cdot \lim_{(x+a)^{-1/4}} \frac{(x+a)^{-1/4}}{(x+a+b)^{2x+a+b}} = \lim_{x \to \infty} \left(1 - \frac{b}{x+a+b}\right)^{x+a} \cdot \left(1 - \frac{a}{x+a+b}\right)^{x+b}$$

$$= \lim_{x \to \infty} \left[\left(1 + \frac{1}{-\frac{x+a+b}{b}} \right)^{-\frac{x+a+b}{b}} \right]^{-\frac{x}{b}} \left[\left(1 + \frac{1}{-\frac{x+a+b}{a}} \right)^{-\frac{x}{a}} \right] = e^{-\alpha} \cdot e^{-b} = e^{-a+b}$$

$$\left(1 - \frac{b}{x+a+b} \right)^{b} \left(1 - \frac{a}{x+a+b} \right)^{a}$$

$$\int_{0}^{\infty} \int_{0}^{\infty} \frac{1-\frac{1}{3}}{1-\frac{1}{3}} = \frac{1-\frac{1}{3}}{1-\frac{1}{3}} = \frac{3}{2}$$

$$= \lim_{n \to \infty} \frac{1-\frac{1}{3}}{1-\frac{1}{3}} = \frac{3}{2}$$

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$$\int_{A}^{\infty} \frac{1}{1} = \lim_{X \to 0} \left(1 + \frac{a^{x} + b^{x} + c^{x} - 3}{3} \right)^{\frac{1}{A}}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}} \right) \frac{3}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}} \right) \frac{3}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{3}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{3}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{3}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3} \cdot \frac{1}{3} \left(\frac{a^{x} - 1}{A} + \frac{b^{x} - 1}{A} + \frac{c^{x} - 1}{A} \right)$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} - 3}$$

$$= \lim_{X \to 0} \left(1 + \frac{1}{\frac{3}{A^{x} + b^{x} + c^{x} - 3}}{a^{x} + b^{x} + c^{x} - 3} \right) \frac{1}{a^{x} + b^{x} + c^{x} + b$$

$$\frac{1}{100} = \lim_{X \to \infty} \left(\sqrt{x + \sqrt{x}} - \sqrt{x} \right) = ?$$

$$\frac{1}{100} = \lim_{X \to \infty} \sqrt{x + \sqrt{x}} + \sqrt{x} = \lim_{X \to \infty} \sqrt{\frac{x + \sqrt{x}}{x}} + \lim_{X \to \infty} \sqrt{\frac{x + \sqrt{x}}{x}}$$

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$$\frac{1}{|X|} = \lim_{X \to 1} \frac{X^{N} - X^{N}}{|X^{m} + X^{N} - Z|} = ?$$

$$\frac{1}{|X|} = \lim_{X \to 1} \frac{(X^{m} - 1) - (X^{N} - 1)}{(X^{m} + 1) + (X^{N} + 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} + 1)} + \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} + 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} + \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} + \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} + \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{N} - 1)}{(X^{M} + 1) + (X^{N} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} + 1) + (X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1) - (X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1} \frac{(X^{M} - 1)}{(X^{M} - 1)} = \lim_{X \to 1}$$

技巧:对一型极限,分的母一些有有图式,且这么图式为(不一?)

而成们要做的,就是好到公园式车约去

对一型极限:上门间除品高次数的那一项

1.
$$\lim_{\Lambda \to \frac{\pi}{2}} (\sin \pi)^{\tan \pi} = 7$$
 $\lim_{\Lambda \to \frac{\pi}{2}} (\sin \pi)^{-1} = 1$
 $\lim_{\Lambda \to \frac{\pi}{2}} (\sin \pi)^{-1} = \lim_{\Lambda \to \frac{\pi}{2}} (\cos \pi)^{-1} =$

十. $\lim_{\alpha \to \beta} \frac{e^{\alpha} - e^{\beta}}{\alpha - \beta} = ? 注意推進度量! <math>\alpha \to \beta : \alpha \mapsto \emptyset$ [] $\lim_{\alpha \to \beta} \frac{e^{\alpha} - e^{\beta}}{\alpha - \beta} = \lim_{\alpha \to \beta} \frac{e^{\beta}(\alpha - \beta)}{\alpha - \beta} = e^{\beta}$

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