วนใ

$$1+x-2x^{2} \leq exp(x) \leq 1+x+x^{2}$$
, $-\frac{1}{2} \leq x \leq \frac{1}{2}$

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$$\left(1+\frac{x}{n}\right) - \frac{1}{2} - \frac{x}{2} + \frac{x}{2} = \frac{x}{2} + \frac{x}{2}$$

$$\left| \left(1 + \frac{x}{N} \right) - \left(1 + x \right) \right| \leq \sum_{\kappa=0}^{N} {N \choose \kappa} 1^{\kappa-\kappa} \left(\frac{x}{N} \right)^{\kappa} = \sum_{\kappa=0}^{N} {N \choose \kappa} \left(\frac{x}{N} \right)^{\kappa} \leq x^{2} \left(1 + \frac{1}{2} + \frac{4}{4} + \dots + \frac{7}{2^{N-2}} \right) \leq 2x^{2}$$

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$$e \times P'(0) = 1$$
 , $e \times P$

בוכיחת הלשנה:

$$\triangle_{e\times\rho,o}(t) = \frac{e\times\rho(t)-e\times\rho(o)}{t-o} = \frac{e\times\rho(t)-1}{t} \qquad : t\neq 0 \qquad \text{follows}$$

$$1-2t \leq \frac{e \times p(t)-1}{t} \leq 1+2t$$
 : $0 \leq t \leq \frac{2}{2}$

$$f'(x) \cdot e \times \rho(-x) - f(x) \cdot e \times \rho(-x) = 0$$

$$f(x) = C \cdot 6x b(x)$$
If

$$f(x) = exp(x)$$

$$\left(t_{-1} \left(\varepsilon \left(\sigma \right) \right) \right) \cdot \left(t_{-1} \left(\sigma \right) \right) = 1$$

$$(t_{-1})(\ell) = \frac{\ell_{1}(\ell_{-1}(\ell))}{1}$$

Coen

$$(f^{-1})'(b) = f'(a) \qquad \text{inv}_{1} \qquad b = f(a) \qquad \text{inv}_{1} \qquad b = (a)(a) \qquad \text{inv}_{1} \qquad \text{inv}_{$$

$$\nabla^{\xi_{-1}}(t) = \frac{t_{-1}(t) - t_{-1}(t)}{t_{-1}(t) - t_{-1}(t)} = \frac{t_{-1}(t) - t(n)}{t_{-1}(t) - n} = \frac{t_{-1}(t) - n}{t_{-1}(t) - n} = \nabla^{\xi_{1}}(t) - t(n)$$

$$f_{-1}(\rho) = \lim_{t \to 0} \int_{t_{-1}}^{t_{-1}} f(t) = \lim_{t \to 0} \int_{t_{-1}}^{t_{-1}} f(t) = \frac{1}{t_{-1}(\rho)} \int_{t_{-1}}^{t_{-1}(\rho)} f(t) = \frac{1}{t_{-1}(\rho)} \int_{t_{-1}}^{t_{-1}} f(t) dt$$

$$tan^{-1} = anctan: \mathbb{R} \longrightarrow \left(-\frac{n}{2}, \frac{n}{2}\right) \quad tan: \left(-\frac{n}{2}, \frac{n}{2}\right) \longrightarrow \mathbb{R}$$

$$tan'(x) = \frac{1}{\cos^2(x)}$$

$$a_{VC}(tun'(x)) = \frac{1}{tun'(a_{VC}(tunx))} = cos^{2}(u_{VC}(tun(x))) = \frac{1}{1+(tun(a_{VC}(tunx))^{2})} = \frac{1}{1+x^{2}}$$

$$\int_{\mathbb{N}} |(x)| = \frac{1}{e^{x} P(\ln x)} = \frac{1}{e^{x} P(\ln x)} = \frac{1}{x}$$

$$(x)^{2}$$
, $f(x) = \sqrt[n]{x}$, $f(x) = x^{n}$, $f(x) = x^{n}$, $f(x) = x^{n}$.

$$(f^{-1})^{(x)} = \frac{1}{f^{-1}(f^{-1}(x))} = \frac{1}{g^{-1}(x^{-1})^{n-1}} = \frac{1}{g^{-1}} \times x^{\frac{n}{2}-1}$$

$$f(x) = \begin{pmatrix} x \\ \end{pmatrix} \qquad \text{if } 0 = \frac{m}{N} \qquad \qquad f(x) = x \qquad \qquad \Rightarrow \qquad \frac{31900}{N}$$

$$f_{-1}(x) = m \left(x \frac{n}{4} \right) \cdot \frac{n}{4} x = \frac{n}{4} \cdot x = \frac{n}{m} \cdot x = h \cdot x$$

$$s_{iN}:\left(-\frac{q_i}{2},\frac{q_i}{2}\right)\longrightarrow\left(-1,1\right)$$

$$\left(\alpha \vee (Sin)^{\prime}(x) = \frac{1}{Sin^{\prime}(\alpha \vee (Sin^{\prime}))} = \frac{1}{\cos(\alpha \vee (Sin^{\prime}))} = \frac{1}{\sqrt{1-(Sin^{\prime}(\alpha \vee (Sin^{\prime}))^{2})}} = \frac{1}{\sqrt{1-\chi^{2}}}$$

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: (dens nosis)

$$f'(b') \subset y \subset f'(u^{\epsilon})$$
 $u \cap i' = f'(b') \subset f(u^{\epsilon})$ e $p \in u = 0$

$$\mathcal{G}(x) = f(x) - \lambda \cdot \chi \qquad \mathcal{I}_{x} \qquad \text{Cull } \mathcal{E}_{x} \qquad \mathcal{I}_{x} \qquad \mathcal{I}_{x}$$

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