$$\int_{0.5}^{10.1} \int_{0.0}^{10.1} \int_{0$$

: הוכיחת האשינה:

$$f(M) = M + \alpha_{N-1} \cdot M + \dots + \alpha_{1} \cdot M + \alpha_{0} = M \cdot \left(1 + \frac{\alpha_{N-1}}{M} + \dots + \frac{\alpha_{N}}{M^{N-1}} + \frac{\alpha_{N}}{M}\right) Z$$

$$\geq M^{2}\left(1-\frac{|\alpha_{n-1}|}{M}-\ldots-\frac{|\alpha_{n}|}{M^{n}}\right) \geq M^{n}\left(1-\frac{|\alpha_{n-1}|}{M}-\ldots-\frac{|\alpha_{n}|}{M}\right) \geq$$

$$\geq M^{2}\left(1-\frac{1}{2n}-\frac{1}{2n}-\dots-\frac{1}{2n}\right)=\frac{M^{2}}{2}>0$$

$$f(\kappa) = \kappa \left(1 + \frac{\kappa}{\kappa} + \dots + \frac{\kappa}{\kappa}\right)$$

$$\left(1+\frac{\alpha_{N+1}}{\kappa}+\frac{\alpha_{\nu}}{\kappa^{N}}\right) > \frac{1}{2} \qquad -e \qquad p > \qquad \int_{132}^{132} \int_{132}^{730\mu} \kappa \kappa \qquad p^{m} p \qquad Sin$$

$$f(-\kappa) = (-\kappa)_{N} \left( 1 + \frac{(-\kappa)_{N}}{\alpha - \alpha - \alpha} + \cdots + \frac{(-\kappa)_{N}}{\alpha - \alpha} \right)$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x + \alpha_{0}$$

$$f(x) = x^{1} + \alpha_{1}x^{2} + \alpha_{2}x^{2} + \alpha_{2}x^{2}$$

הוכחת הלשינה:

$$f(x) = \chi^{N} \left( 1 + \frac{\alpha_{N-1}}{x} + \dots + \frac{\alpha_{0}}{x^{n}} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|^{n}} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \geq \chi^{N} \left( 1 - \frac{|\alpha_{-1}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \leq \chi^{N} \left( 1 - \frac{|\alpha_{0}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \leq \chi^{N} \left( 1 - \frac{|\alpha_{0}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \leq \chi^{N} \left( 1 - \frac{|\alpha_{0}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right) \leq \chi^{N} \left( 1 - \frac{|\alpha_{0}|}{|x|} - \dots - \frac{|\alpha_{0}|}{|x|} \right)$$

$$f(x) \geq \frac{\chi^n}{2} \geq |f(0)| \geq f(0) \qquad : \chi > 0 \qquad \text{if } \qquad \text{sign}$$

$$f(x) \geq \frac{x^{n}}{2} \left| f(0) \right| \geq f(0) \qquad : \chi \leq -b \qquad \text{ such$$

$$x \in \mathbb{R} \quad \text{if } f(c) \leq f(x)$$

# (178011/

$$f(x) > M \qquad \Leftrightarrow \qquad 0 \leq |x-\alpha| \leq \delta \qquad e \qquad ?$$

$$f(x) < M \in 0 < |x-\alpha| < 0$$









$$\int_{0}^{\infty} |w| \, dx = \infty \qquad \text{i.i.l.}$$

سرم ادر على

$$f(x) = \frac{1}{\sqrt{x}} > \frac{1}{\sqrt{x}} = M$$