$$|b_n - B| \leq \frac{\varepsilon}{3(|\Delta| \cdot 1)}$$
 . e . p . n . p . p

$$\left| a_{n} - d \right| \leq \frac{\varepsilon}{3(|\beta| + 1)} - e \qquad \beta \qquad n \qquad \gamma^{n} \beta \qquad \beta \qquad \gamma^{n} \beta \qquad \gamma^{$$



$$\left| \frac{1}{\ln \alpha} - \frac{A}{\beta} \right| = \left| \frac{\beta - \ln \alpha}{\ln \alpha + \beta} \right| = \left| \frac{\ln \alpha}{\ln \alpha} \right|$$

$$\left| \frac{1}{\ln \alpha} - \frac{A}{\beta} \right| = \left| \frac{\beta - \ln \alpha}{\ln \alpha + \beta} \right| = \left| \frac{\beta - \ln \alpha}{\ln \alpha} \right|$$

$$\left| \frac{1}{\ln \alpha} - \frac{A}{\beta} \right| = \left| \frac{1}{\ln \alpha} - \frac{1}{\alpha} \right| = \left| \frac{1}{\ln \alpha} - \frac{1}{\alpha} \right|$$

$$\left| \frac{1}{\ln \alpha} - \frac{A}{\beta} \right| = \left| \frac{1}{\ln \alpha} - \frac{1}{\alpha} - \frac{1}{\alpha} \right| = \left| \frac{1}{\ln \alpha} - \frac{1}{\alpha} - \frac{1}{\alpha$$

$$\lim_{N\to\infty} (a_N \cdot b_N) = 0 \qquad \text{see noin and a limbor = 0}$$

בוכ חת בו השלוה:

$$|b_{n}-o| \leq \frac{\varepsilon}{M}$$

an = bu. Cn

$$\alpha^{N} = \frac{N}{2!N(N)!}$$
 vosco
$$\frac{1}{2!N(N)!}$$

$$\begin{cases} b_n = S_i \cdot N & \longrightarrow & \text{ANISD} \\ C_n = \frac{4}{n} & \longrightarrow & O \end{cases}$$

$$(S_i \cdot N \cdot N)$$

$$\lim_{n \to \infty} \left(\frac{S_i u_i(u)}{n} \right) = 0 \qquad \text{poly}$$

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$$a_{n} = (-1)^{n}$$
 ; 2188

$$\lim_{N\to\infty} \sqrt{q} = 1 \qquad q > 0 \qquad \text{Sof}$$

$$a_{n} = \sqrt{q} \qquad |A_{0}|$$

$$a_{n} = \sqrt{q} \qquad |A_{$$

$$u_n = \sqrt[n]{q} = \sqrt[n]{\frac{1}{q}} = \frac{1}{\sqrt{q}}$$

$$: S(c), q > 1$$

$$\lim_{N\to\infty}\alpha_N=\frac{1}{1}=1$$
 , where $\alpha_N=\frac{1}{1}$

$$|S|_{N} = \frac{1}{n} \sum_{k=1}^{n} a_{k} \qquad |A| = \sqrt{N} \qquad |A| = \sqrt{N}$$

: Loena pasia

$$\leq \frac{1}{N} \cdot \sum_{\kappa=1}^{\infty} |\alpha_{\kappa} - \alpha|$$

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$$\left| \left| S_{n} - d \right| \leq \frac{1}{n} \cdot \sum_{\kappa=1}^{n} \left| \alpha_{\kappa} - d \right| = \frac{1}{n} \cdot \sum_{\kappa=1}^{N} \left| \alpha_{\kappa} - d \right| + \frac{1}{n} \cdot \sum_{\kappa=1}^{n} \left| \alpha_{\kappa} - d \right| \leq \frac{1}{n}$$

$$\leq \frac{1}{N} \sum_{n=1}^{N} \left| a_{n-d} \right| + \frac{1}{N} \cdot N \stackrel{\varepsilon}{=} = \frac{1}{N} \sum_{n=1}^{N} \left| a_{n-d} \right| + \frac{\varepsilon}{1}$$

$$\left| S_{n} - \phi \right| \leq \frac{N \cdot M}{n} + \frac{\varepsilon}{2}$$

$$\left| \begin{array}{c} S_{N} - A \end{array} \right| \leq \frac{NM}{2NM} + \frac{\varepsilon}{2} = \frac{\varepsilon}{2} + \frac{\varepsilon}{2} = \varepsilon$$