

$\cancel{r} \left[\frac{r-n}{r} \right] + a \left[\frac{n+r}{r} \right]$

$\begin{cases} -r^+ & r \rightarrow 0 \\ -r^- & r+a=r \Rightarrow a=r \end{cases}$

GMS GMS

$\left\{ \frac{r}{r} \right\}_{r=0} =$

$\lim_{x \rightarrow \frac{\pi}{2}^-} [r \sin x - 1] = [0^-] = -1$

$\lim_{a \rightarrow -1/r} [a n^c - a] = [-1 + 1/r] = 0$

$\lim_{x \rightarrow -1/r^-} \frac{1/x - a}{1/x - [-1/r]} = \frac{0^-}{0^-} = -\infty$

$\lim_{x \rightarrow 1^+} \frac{1 - \cos \pi x}{\sin \pi x} = \frac{(1 - \cos \pi x)(1 + \cos \pi x)}{1 + \cos \pi x} = \frac{1 - \cos \pi x}{1 + \cos \pi x} = \frac{1 - (-1)}{1 + (-1)} = \frac{2}{0} = \infty$

$\lim_{n \rightarrow -1} \frac{\sqrt{r n + r} - \sqrt{r n + 2}}{1 + \sqrt{r n}} \xrightarrow{\text{hop}} \frac{r}{r \sqrt{r n + r}} - \frac{r}{r \sqrt{r n + 2}}$

$\lim_{n \rightarrow 1} \frac{r n - \sqrt{r n + a}}{r n - \sqrt{r n + 1}} = \frac{\frac{2}{r} - \frac{1}{\sqrt{r}}}{\frac{1}{r} - \frac{1}{\sqrt{r+1}}} = \frac{-\frac{r}{r}}{\frac{a}{r}} = \frac{-r}{a}$

$$\lim_{n \rightarrow \infty} \frac{a + \sqrt[n]{b^n + c}}{n} = \frac{1}{\varepsilon} \quad \alpha = -\sqrt{c} \quad \frac{-\sqrt{c}}{r} \quad \frac{\sqrt{c}}{r} = \left(-\frac{1}{r}\right) \quad \textcircled{A}$$

$$\rightarrow n \cdot b \quad \frac{b}{\sqrt[n]{b^n + c}} = \frac{1}{\varepsilon} \quad \frac{b}{\sqrt[n]{c}} = \frac{1}{\varepsilon} \Rightarrow \sqrt[n]{c} = b$$

$$\frac{q + k \left[\frac{n}{\pi} \right]}{\sin n} = +\infty \quad \begin{array}{l} \xrightarrow{-\pi^+} \sin n > 0 \quad \frac{\varepsilon - r n}{0^+} \quad \frac{k r}{\varepsilon} \\ \xrightarrow{-\pi^-} \sin n < 0 \quad \frac{r - \varepsilon n}{0^-} \rightarrow \frac{r}{\varepsilon} < k \end{array} \quad \textcircled{9}$$

$$\lim_{n \rightarrow \infty} \frac{b \sqrt[n]{r + \sqrt[n]{n}}}{a n - b} = \frac{b}{\varepsilon n} \quad \begin{array}{l} \textcircled{a} \\ \frac{b}{\varepsilon n} = a b = \frac{1}{4} \end{array} \quad \begin{array}{l} \textcircled{b} \\ \frac{1}{a} - b = 0 \quad \Rightarrow a = b \end{array}$$