

$$\frac{r^n - d}{(r^n - r)^r} \Rightarrow \frac{r^n - d}{r^n - r^n q^r} \Rightarrow \frac{a - r}{b - r} \parallel \Rightarrow a + b \underline{\underline{50}} \parallel \Rightarrow \text{نشانه باشد} \Rightarrow \text{د}$$
$$\Rightarrow \frac{n}{n^r + an + b} \cdot \frac{n}{(n - \sqrt{f})^r} \cdot \frac{n}{n^r - \sqrt{f}^r n + f^{\frac{r}{2}}} \Rightarrow n^r + an + b = n^r - \sqrt{f}^r n + \sqrt{f}^{\frac{r}{2}}$$

$$a \leq \sqrt[r]{1r} \parallel \Rightarrow \left[\frac{b}{a} \right] \leq \left[\frac{\sqrt[r]{1s}}{\sqrt[r]{1r}} \right]$$

$\lim_{n \rightarrow \infty} \left[-\frac{1}{n} \right] a \Rightarrow \left[-\frac{1}{\infty} \right] a = a - 1$
 $\lim_{n \rightarrow \infty} \left(\frac{1}{n} \right) \left(\frac{1}{n} a + a \right) \Rightarrow \frac{a-1}{\frac{1}{n} + a} \Rightarrow \frac{a-1}{\frac{1}{\infty} + a} = \frac{a-1}{a} \Rightarrow \left[\frac{a-1}{a} \right] = \left[a \right] - \frac{1}{a}$

$$\lim_{n \rightarrow (-\frac{1}{r})^+} \frac{15n - [-\frac{r}{n}]}{r^n \cdot [\frac{r}{n}]} = \frac{15n + 9}{r^n + 1r} = \frac{15n - \frac{1}{r} + 9}{r^n - \frac{1}{r} + 1r} = \frac{1}{0^+} = +\infty$$

$$\lim_{n \rightarrow \infty} \frac{u^n - f}{u^n - [u]^n} = \frac{u^n - f}{u^n - \lambda} \cdot \frac{(u-f)(u+f)}{(u-f)(u^n + f u + f)} \cdot \frac{u+f}{u^n + f u + f} = \frac{f}{1-f} \cdot \frac{1}{u}$$

$$\lim_{n \rightarrow \infty} \frac{n^{r+1} g(n)}{r \cdot 5^{\sqrt{n}}} = \frac{(n+1)(n+r)}{5(\sqrt{n}+r)} \cdot \frac{(\sqrt{n}+r)(\sqrt{n}+r)(n+r)}{5(\sqrt{n}+r)} = \frac{(n+r)(\sqrt{n}+r)^2}{5} = (\infty) - 5$$

$$\Rightarrow \frac{(2, 2, 2)(-5)}{5} \sqrt{-1}$$

$$= \frac{r n}{-i n} \times \frac{\sqrt{r}}{r \sqrt{r}} \xrightarrow{\text{cancel } r} \frac{r n}{-n} \times \frac{1}{r} \sqrt{-r}$$

$$\text{NaP} \Rightarrow \frac{-a n}{r k n} \Rightarrow \frac{-a}{r k} \Rightarrow \frac{a}{r - r} \Rightarrow \frac{a}{k} \Rightarrow \text{---} \underline{\underline{\quad}}$$

$$\lim_{n \rightarrow (-1)} \frac{1 - K[n]}{n^r - 1} = -\infty \Rightarrow \begin{array}{|l} \begin{array}{l} \xrightarrow{+} \\ \Rightarrow \frac{1+K}{n^r-1} = -\infty \Rightarrow 1+K > 1 \Rightarrow K > -1 \end{array} \\ \begin{array}{l} \xrightarrow{-} \\ \Rightarrow \frac{1+K}{n^r-1} = -\infty \Rightarrow 1+K < 0 \Rightarrow K < -\frac{1}{r} \end{array} \end{array}$$

ΔG
 5) $k\pi$ 5) $(-\pi, -\frac{\pi}{r}) \rightarrow$  5) $\sim -i$
 6) $k\pi$ 5) $(-1, 0) \rightarrow$ 