

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

$$r+0=r$$

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$$\rightarrow -r^+ \quad x > -r$$

$$\rightarrow -r^- \quad f + (-a)$$

$$f-a=r \quad a=r$$

$$-\left[\frac{r}{r} \right] = 0$$

$$\lim_{x \rightarrow (\frac{\pi}{4})^-} [r \sin x - 1] \quad [1^- - 1] = -1$$


$$\lim_{n \rightarrow -\frac{1}{p}} [11n^n - n] = [-1 + \frac{1}{p}] = [-\frac{1}{p}] = -1$$

$$\lim_{n \rightarrow (-\frac{1}{p})^-} \frac{\log n - a + \left[\frac{r}{nr} \right]}{14n - \left[-\frac{r}{nr} \right]} = \frac{\log n - a + 11}{14n - 11} = \frac{1 \cdot x + 9}{14x + 11} \quad \frac{-a + 4}{-1 + 11} = \frac{1}{10} = -\infty$$

$$n < -\frac{1}{p} \quad n^r > \frac{1}{p}$$

$$n^r > \frac{1}{p} \quad \frac{1}{nr} < f \quad -\frac{1}{nr} < -f \quad -\frac{r}{nr} > -11$$

$$\lim_{n \rightarrow t^+} \frac{\sin^r \pi x}{[x] + \cos \pi n} = \frac{1 - \cos^r \pi n}{1 + \cos \pi n} = \frac{(1 - \cos)(1 - \cos)}{(1 + \cos)} \quad 1 - \cos^r \pi n = 0$$


$$\lim_{n \rightarrow -1} \frac{\sqrt[3]{n+3} - \sqrt[3]{n+1}}{1 + \sqrt[3]{n}} \xrightarrow{\text{hop}} \frac{\frac{1}{\sqrt[3]{n+3}} - \frac{1}{\sqrt[3]{n+1}}}{1 + \frac{1}{\sqrt[3]{n}}} = \frac{1 - \frac{1}{\sqrt[3]{n}}}{1 + \frac{1}{\sqrt[3]{n}}} = \frac{1 - \frac{1}{\sqrt[3]{-1}}}{1 + \frac{1}{\sqrt[3]{-1}}} = \frac{1 - \frac{1}{-1}}{1 + \frac{1}{-1}} = \frac{1 + 1}{1 - 1} = \frac{2}{0} = \infty$$

$$\lim_{n \rightarrow 1} \frac{1 - \sqrt{n} + 1}{1 - \sqrt{n+1}} \xrightarrow{\text{hop}} \frac{1 - \frac{1}{\sqrt{n}}}{1 - \frac{1}{\sqrt{n+1}}} = \frac{1 - \frac{1}{1}}{1 - \frac{1}{\sqrt{2}}} = \frac{0}{1 - \frac{1}{\sqrt{2}}} = 0$$

$$\lim_{n \rightarrow \infty} \frac{a + \sqrt{bn+c}}{n} = \frac{1}{k} \xrightarrow{\text{hop}} \frac{b}{\sqrt{bn+c}} = \frac{b}{\sqrt{c}} = \frac{1}{k}$$

$a + \sqrt{c} = 0$
 $\sqrt{c} = -a$
 $b = \frac{\sqrt{c}}{k}$
 $\sqrt{c} = \frac{b}{k}$
 $\frac{b}{\sqrt{c}} = k$
 $\frac{1}{k} = \frac{1}{k}$

$$\lim_{n \rightarrow -\infty} \frac{f + k \left[\frac{n}{\pi} \right]}{\sin n} = +\infty$$

$\frac{f - 2k}{0^+} = +\infty$
 $\frac{f - 3k}{0^-} = +\infty$
 $f - 2k > 0 \Rightarrow f > 2k \Rightarrow k < \frac{f}{2}$
 $f - 3k < 0 \Rightarrow f < 3k \Rightarrow k > \frac{f}{3}$
 $\frac{f}{3} < k < \frac{f}{2}$

$$\lim_{n \rightarrow \infty} \frac{b\sqrt{n+1} - b}{a - b} = \frac{b\sqrt{n+1} - b}{a - b} = \frac{b\sqrt{n+1} - b}{a - b} = \frac{b\sqrt{n+1} - b}{a - b} = \frac{1}{4}$$

$a - b = -$
 $a = b$