

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

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$$\left[\frac{r-n}{r} \right] = 1$$

①

$$\left[\frac{n+r}{r} \right] = -1$$

$$\rightarrow f(n) = 2 - a$$

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

$$f(n) = r$$

$$\rightarrow f - a = r \rightarrow a = r$$

$$\left[\frac{a}{r} \right] = \left[\frac{r}{r} \right] = 1$$

②

در $n = \frac{\pi}{4}$ مقدار اولی برابر صفر است

حد درستی درست است

که از دست می آید

$$[-1]$$

③

$$\lim_{x \rightarrow (-\frac{1}{r})} [8x^{\frac{1}{r}}] = [8(-\frac{1}{r})^{\frac{1}{r}} - (-\frac{1}{r})] = [-1 + \frac{1}{r}] \rightarrow [-\frac{1}{r}] = -1$$

$$8(-\frac{1}{r})^{\frac{1}{r}} - \frac{1}{r} = \frac{1}{r}$$

$$[\frac{1}{r}] = 0$$

داخل برکت عدد صحیح نمی شود به نیازی به دو صافه کردن نیست

④

$$\frac{r}{n^2} < 1$$

$$-\frac{r}{n^2} > -1$$

$$\left[\frac{r}{n^2} \right] = 1$$

$$\left[-\frac{r}{n^2} \right] = -1$$

$$\rightarrow \frac{10n - a + 11}{14n - (-1)} = \frac{10n + 4}{14n + 1} = -\infty$$

$$n \rightarrow (\frac{1}{r})^+$$

⑤

⑥

$$[n] = 1 \quad \cos(\pi n) = -1$$

$$\sin^2(\pi n) \sim \pi^2 (n-1)^2$$

$$1 + \cos(\pi n) = \frac{(\pi(n-1))^2}{2}$$

$$\Rightarrow ⑦$$

⑧

$$\sqrt{2n+3} \rightarrow 2n+3 \geq 0$$

$$\sqrt{3n+2} \rightarrow 3n+2 \geq 0$$

$$\text{HOP} \rightarrow \frac{r}{r\sqrt{2n+3} - r\sqrt{3n+2}} = \frac{r}{\frac{1}{r\sqrt{n^2}}}$$

$$\sqrt{2(-1)+3} = \sqrt{1}$$

$$\sqrt{3(-1)+2} = \sqrt{1}$$

$$\frac{r}{r} - \frac{r}{r} = \frac{1}{r}$$

$$\text{صورت} = 0$$

$$\frac{-\frac{1}{r}}{\frac{1}{r}} = -\frac{r}{r} = -1$$

$$\frac{0}{0} \rightarrow \frac{0}{0}$$

⑨

$$\frac{r-v+a}{r-r} = \frac{0}{0} \rightarrow \text{HOP}$$

$$\frac{r - \frac{v}{r\sqrt{n}}}{r - \frac{v}{r\sqrt{n+1}}} = -\frac{4}{5}$$

⑩

$$\frac{a + \sqrt{bn+c}}{n} = \frac{1}{2}$$

$$a + \sqrt{c} = 0 \rightarrow a = -\sqrt{c}$$

$$\frac{a + \sqrt{bn+c}}{n} = \frac{-\sqrt{c} + \sqrt{c} + \frac{b}{r\sqrt{c}}n}{n} = \frac{b}{r\sqrt{c}}$$

⑪

$$\frac{b}{r\sqrt{c}} = \frac{1}{r} \rightarrow b = \frac{\sqrt{c}}{r}$$

$$\frac{ab}{c} = \frac{(-\sqrt{c})(\frac{\sqrt{c}}{r})}{c} = -\frac{1}{r}$$

⑫

$$\left[\frac{n}{a}\right] \text{ Comb} \rightarrow -r$$

$$r - rk > 0 \rightarrow k < r$$

$$r - rk < 0 \rightarrow k > \frac{r}{f}$$

$$k \in \left(\frac{r}{f}, r\right) \quad [-k] = -r \quad \checkmark$$

$$\textcircled{r} \quad (r, \frac{r}{f}, r)$$

⑨

$$n=a \rightarrow \frac{b\sqrt{r+r} - rb}{na-b} = \frac{rb-rb}{na-b} = \frac{0}{na-b}$$

$$1a-b=0 \rightarrow b=1a$$

$$\lim_{n \rightarrow 1} \frac{1a(\sqrt{r+\sqrt{r}} - r)}{an - 1a} = \frac{1a(\sqrt{r+\sqrt{r}} - r)}{an - 1a} \times \frac{\sqrt{r+\sqrt{r}} + r}{\sqrt{r+\sqrt{r}} + r} =$$

$$\lim_{n \rightarrow 1} \frac{1a(\sqrt{r} - r)}{a(n-1) \times r} \rightarrow \lim_{n \rightarrow 1} \frac{r(\sqrt{r} - r)}{(\sqrt{r} - r)(\sqrt{ar} + r + r\sqrt{r})} = \frac{r}{1r} = \frac{1}{1}$$