

11,0

کتاب مع در علم کلام

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$$14 - 12n^2 + 14n - 4k \stackrel{!}{=} 0 \Rightarrow$$

کدھکی رجب پائین
باراس کھکی

$$f(1) = 1 + f(1) = \boxed{a}$$

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✓ راضی مع $\left[\frac{a}{4}, \frac{b}{\mu} \right] \Rightarrow =$

①

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$$x \in (-\infty, -2) \cup [-2, -1) \cup [1, 2) \cup [2, +\infty)$$

$$الف) \sqrt{[-n]-r} \Rightarrow [-n]-r \geq 0 \quad [-n] \geq r \quad n \in (-\infty, -r]$$

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$$\Rightarrow \frac{\omega n^2 + 4}{[n]^2 - r[n] - r} \Rightarrow [n]^2 - r[n] - r \neq 0 \quad ([n]-r)([n]+1) \neq 0$$

$$[r, r) \cup [-1, 0) \quad [r, r) \approx [-1, 0) \approx$$

$$الف) y = \frac{\cot n + 1}{\tan n + 1} \Rightarrow \tan n \neq -1 \Rightarrow R - \left\{ k\pi - \frac{\pi}{4} \right\}$$

$$R - \left\{ k\pi - \frac{\pi}{4}, \frac{k\pi}{r} \right\} \quad k \in \mathbb{Z}$$

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$$\Rightarrow \sqrt{1 - r \sin^2 n} \quad 1 - r \sin^2 n \geq 0 \quad -r \sin^2 n \geq -1 \quad \sin^2 n \leq \frac{1}{r} \quad \sin n \leq \pm \frac{1}{\sqrt{r}}$$

$$D = \left[k\pi - \frac{\pi}{4}, k\pi + \frac{\pi}{4} \right] \quad \left\{ n \mid n \in \left[k\pi - \frac{\pi}{4}, k\pi + \frac{\pi}{4} \right] \right. \\ \left. k \in \mathbb{Z} \right\}$$

$$الف) \sqrt{1 - \log \frac{n-1}{r}} \quad n-1 > 0 \quad n > 1 \quad ①$$

$$① \cap ② \left(1, \frac{r}{r} \right] \quad D = \left[\frac{r}{r}, +\infty \right)$$

$$1 - \log \frac{n-1}{r} \geq 0 \quad \log \frac{n-1}{r} \leq 1 \quad n-1 \leq \frac{1}{r} \quad n \leq \frac{r}{r} \quad ②$$

$$\Rightarrow \sqrt{\frac{n^r - n}{1 - \log \frac{n^r - rn}{r}}} \Rightarrow \frac{n^r - n}{1 - \log \frac{n^r - rn}{r}} \geq 0 \quad \frac{n^r - n}{1 - \log \frac{n^r - rn}{r}} \neq 0 \quad \log \frac{n^r - rn}{r} \neq 1 \quad n^r - rn \neq r$$

$$n^r - rn - r \neq 0 \quad (n-r)(n+1) \neq 0 \quad n \neq r, -1 \quad n^r - rn > 0 \quad ③$$

$$n(n-r) > 0 \quad \frac{r}{r-r} \quad n \in (-\infty, 0] \cup [r, +\infty) \quad ④$$

$$① \cap ② \cap ④ \quad (-\infty, 0] \cup [r, +\infty) - \{-1, r\}$$

$$y = \sqrt{\frac{r^n - n^r}{r^n - n^r - 1}} - 1 \Rightarrow \frac{r^n - n^r}{r^n - n^r - 1} \geq 0 \quad \frac{r^n - n^r}{r^n - n^r - 1} \geq 1 \quad r^n - n^r \geq r$$

$$r^n - n^r - r \geq 0 \quad -n^r + r^n - r \geq 0 \quad n^r - r^n + r \leq 0 \quad (n-1)(n-r) \leq 0$$

$$\frac{1}{r} \quad \frac{r}{r} \quad n \in (-\infty, 1] \cup [r, +\infty)$$

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$$\Rightarrow y = \left(\frac{r^n + \omega}{r^n + r} \right)! \quad \frac{r^n + \omega}{r^n + r} \in \mathbb{W} \quad r^n + \omega = r^n w + r w \Rightarrow n = \frac{r w - \omega}{r - r w}$$

$$r^n - r^n w = r w - \omega$$

$$\left\{ n \mid n = \frac{r k - \omega}{r - r k}, k \in \mathbb{W} \right\}$$