

$$\frac{(n-1)^r - n^r}{n(n-1)} \geq 0$$

۲. افریقہ

$$\rightarrow (-\infty, 0) \cup \left(\frac{1}{7}, 9\right)$$

$$\frac{-n-1}{n(n+1)}$$

$\longrightarrow R = \{1, 2, 9, 13, 23\} \subset$

$$\frac{\sum u f^{10}}{(n-1)(n+5)}$$

$$\frac{-r \frac{d}{r}}{+ \quad - \quad +}$$

2 الف 2 - 2 $\frac{9}{7}$ ~~2~~ u_2

$$\rightarrow (-\infty, -1] \cup [1, \infty)$$

$$\sqrt{y+1} \approx \sqrt{n-1} \rightarrow n \gg 1$$

$$n - \sqrt[n]{n-1} \rightarrow n$$

$[1, 15]$

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(-)

(۳) مخرج صوابه مثبت است پس فقط ۱ و ۱۰۱ را یکدیگر می نهم

$\hookrightarrow (-\infty, -1) \cup (1, +\infty)$ (2)

۴) b و -2 - نسبت کا مستند پس $-3 = -b$ $\hookrightarrow b = \frac{3}{1}$ $\hookrightarrow b = 3$ $\hookrightarrow a = -\frac{1}{2}$

→ $\boxed{a+1 \mid 2}$

(۷) شرط $n \geq 1$ هستی به وفراست $\leftarrow n+1 \geq 1$ $n \geq 1$

$$f(\alpha)_2 = \frac{1}{2} \left(1 + \frac{\alpha}{2} + \sqrt{\alpha} \right) - \frac{1}{2} - \frac{1}{2} \sqrt{\alpha}$$

$$\leftarrow \sin 5^\circ + \cos 5^\circ + \frac{\sqrt{r}}{r} (\text{lightning bolt})$$

$$\hookrightarrow z = 1 + \frac{1}{p} + \cancel{2\sqrt{p}} - (1 - \cancel{2\sqrt{p}}) \rightarrow$$

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

$$\varphi\left(\frac{a+1}{a-1}\right) \longrightarrow \frac{\frac{a}{a-1}}{\frac{1}{a-1}} > 0$$

(iv)

$$\rightarrow R - \{1\} \quad \text{②}$$

$$u^2 - \{u\} = \{ \} \rightarrow u^2 - \{u\} + \{ \} = 0 \rightarrow (u-2)^2 = 0 \rightarrow u=2$$

$$\rightarrow g(a) = 2 \rightarrow \sqrt{a^2 - 1} = 2 \rightarrow a^2 - 1 = 4 \rightarrow a^2 = 5 \rightarrow a = \pm \sqrt{5}$$

Part 2 of 2 $2 \times \sqrt{2} = (1 \pm i)$ $\rightarrow$ $u=1, u=-1$

(4) $\rightarrow$ $u = \pm \sqrt{2}$

$$\{u^2 + \omega u - \sqrt{2}\} = 0 \rightarrow u^2 + \omega - \sqrt{2} = 0$$

$$u = \frac{-\omega \pm \sqrt{\omega^2 + 4\sqrt{2}}}{2}$$

$$\sin z = \pm \frac{\sqrt{2}}{2}$$