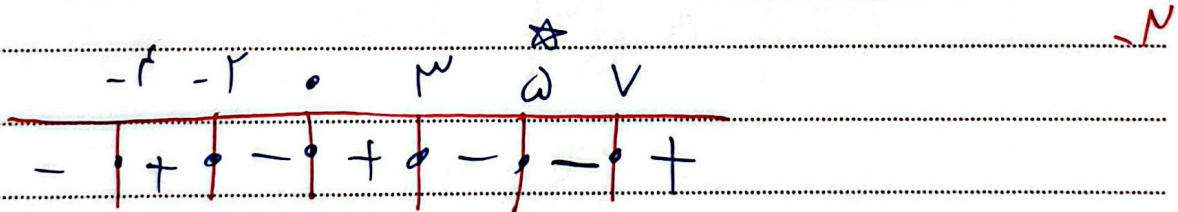


عرفان حقیقی دوازدهم سر B

$$n = \begin{cases} \frac{n_y - 1}{\mu} \quad y \geq 0 \Rightarrow n = \frac{n_y - 1}{\mu} \Rightarrow y = \frac{n+1}{\mu} \\ \Rightarrow n \geq -1 \\ -y^r \quad y > 1 \Rightarrow ny = \sqrt{-n} \Rightarrow \sqrt{-n} > 1 \Rightarrow \\ n < -1 \end{cases}$$

$$y = \begin{cases} \frac{n+1}{\mu} \quad n \geq -1 \\ \sqrt{-n} \quad n < -1 \end{cases}$$

ابطال (بعدم)



$$D(y) = [-r, -r] \cup [0, \mu] \cup [V, +\infty)$$

✓

$$f(n) = \frac{n^2 - 2n + 1}{n^2 - 2n} \Rightarrow n^2 - 2n + 1 \Rightarrow (n-1)(n+1)$$

$$n(n-1) \Rightarrow n < \frac{1}{n-1}$$

☆

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

الف) $D_{f(n)} = \mathbb{R} - \{-1\} \cup \{0\} \cup \{1\}$

ب) $D_{\sqrt{f(n)}} \Rightarrow f(n) \geq 0 \Rightarrow [-1, -\frac{1}{2}] \cup (0, 1) \cup (1, +\infty)$

الف) $n^2 - 2n - 1 \stackrel{n=+}{=} + \Rightarrow + - 2 + - 1 = 0 \Rightarrow (n-1)(n+1)$

$$n \begin{cases} \Rightarrow n^2 = 1 & n=1 \\ & n=-1 \end{cases}$$

☆

$$-1 \Rightarrow n^2 = -1 \text{ موقوف}$$

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

$$D_{f(n)} = (-1, +\infty) - \{1\}$$

ب) $n - 2[-n] \neq 0 \Rightarrow -2[-n] \neq -2 \Rightarrow$

$$[-n] \neq 1 \Rightarrow n \neq (-1, -2]$$

ج) $D_{f(n)} = \mathbb{R} - (-1, -2]$

$$\text{الف) } n(n^r - 1) \geq 0 \Rightarrow \begin{array}{c} -1 \quad \cdot \quad 1 \\ - \quad | \quad + \quad | \quad - \quad | \quad + \end{array} \quad \text{I}$$

$$|n| + n \geq 0 \Rightarrow n \geq 0 \quad \text{II}$$

$$\text{I} \cap \text{II} \Rightarrow D_{f(n)} = [1, +\infty)$$

$$\text{ب) } |n - r| - n^r \geq 0 \Rightarrow |n - r| \geq n^r$$

$$\begin{array}{c} \cdot \quad r \\ -n + r \geq n^r \Rightarrow \underbrace{-n + n + r}_{-r \quad | \quad +} \quad n - r \geq n^r \Rightarrow \underbrace{-n + n - r}_{\text{مفر/مفر}} \end{array}$$

$$D_{f(n)} = [-r, 1) \cup \{-1\}$$

$$\text{الف) } (n - r)[n - r] \geq 0 \Rightarrow \begin{array}{c} r \quad \mu \\ + \quad | \quad \text{مفر} \quad | \quad + \\ \quad \quad \quad | \end{array}$$

$$D_{f(n)} = \mathbb{R}$$

✓

$$\rightarrow |n-1| [n-3] \neq 0$$

همواره مثبت

$$\begin{array}{c} \star \\ \begin{array}{c} 1 \quad 3 \quad 2 \\ - \quad - \quad + \\ 3 \end{array} \end{array}$$

$$D(f_n) = [3, +\infty) \cup \{1\}$$

$$||n-2| - 1| - k \neq 0 \Rightarrow \begin{cases} |n-2| = k+2 \\ |n-2| = 1-k \end{cases}$$

در صورتی معادله ۳ ریشه می دهد که معادله با ۵ بزرگتر از هفتم باشد و معادله پایین برابر هفتم شود

$$1-k = 0 \Rightarrow k=1$$

$$||n-2| - 1| - 1 \neq 0 \quad n \neq 2$$

✓

$$n^r + r n + r \neq 0 \Rightarrow (n+1)(n+r) \quad n \Rightarrow \neq \{-1, -r\}$$

$$n-1 \neq 0 \Rightarrow n \neq \{1\}$$

$$\frac{n+1}{n-1} \neq 0 \Rightarrow n \neq \{-1\}$$

$$D_{f(n)} = \{-1, -1, 1\} \Rightarrow \text{در } n \Rightarrow n^r - r(r)n + r(r)$$

$$\Rightarrow n^r - 4n + 9 = 0 \Rightarrow (n-3)^r \Rightarrow \{3\} \text{ یک ریشه}$$

$$n+1 > 0 \Rightarrow n > -1$$

$$n+1 \neq 1 \Rightarrow n \neq 0$$

$$n > 0$$

$$\log_n^{\frac{1}{r}} > 0 \Rightarrow -\log_n^r > 0 \Rightarrow \log_n^r < 0 \Rightarrow$$

$$0 < n < 1 \quad \text{اشتراک} \quad D_y = (0, 1)$$

✓

تکثیر شرطها

Viana

subject :

Year :

Month :

Date :

$$-1. \\ -\omega < \mu n^r - 1 < \mu \Rightarrow -1 < \mu n^r < \mu \Rightarrow$$

$$-\frac{1}{\mu} < n^r < \frac{1}{\mu} \Rightarrow -\frac{1}{\mu} < n^r < \frac{1}{\mu} \Rightarrow -\frac{1}{\sqrt{\mu}} < n < \frac{1}{\sqrt{\mu}}$$

$$\Rightarrow D + (\mu n^r - 1) = \left[-\frac{1}{\sqrt{\mu}}, \frac{1}{\sqrt{\mu}} \right]$$

W