

تکسیر و خاطراتی

$$y = -\frac{1}{\mu}x^2 + \frac{r}{\omega}x + 1 \rightarrow (r, r) \text{ end}$$

(1)

$$-\frac{1}{\mu}(x-r)^2 + r = y \xrightarrow{y=0} -\frac{1}{\mu}(x-r)^2 = -r \rightarrow (x-r)^2 = r$$

$$\begin{cases} x-r = r \\ x-r = -r \end{cases} \rightarrow \begin{cases} x = 2r \\ x = 0 \end{cases}$$

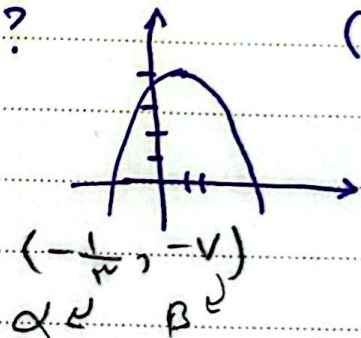
$$y = 1 - r^2(x+r) \rightarrow A_c(\alpha, \beta) \rightarrow \alpha, \beta = ?$$

(4)

$$f(x) \xrightarrow{\omega} A = (-1, r) \xrightarrow{\omega} (-1, r)$$

$$\xrightarrow{\omega} (-\frac{1}{\mu}, r) \xrightarrow{y=r} (-\frac{1}{\mu}, -1) \xrightarrow{y+1} (-\frac{1}{\mu}, -r)$$

$$\alpha, \beta = -\frac{1}{\mu}x - r = \left[\frac{r}{\mu} \right]$$



$$y = r - \sqrt{r\mu} \xrightarrow{+1} r - \sqrt{r(\mu+1)} = r - \sqrt{r\mu+r}$$

(10)

$$\xrightarrow{\omega} -(r - \sqrt{r\mu+r}) = \sqrt{r\mu+r} - r \xrightarrow{\omega} \sqrt{r\mu+r} - r + 1$$

$$y = \sqrt{r\mu+r+1}$$

$$Df = (a, r], Dg = [-1, b], y = f(n-1) + g(n+1), n \in (r, d)$$

$$1) f(n-1) \rightarrow a \leq n-1 < r \rightarrow a+1 \leq n < d \rightarrow Df(n-1) \in (a+1, d]$$

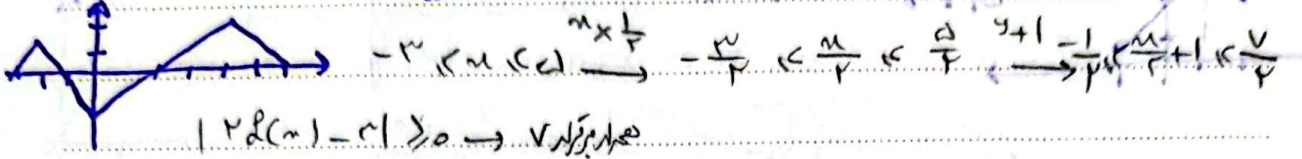
$$2) g(n+1) \rightarrow -1 \leq n+1 < b \rightarrow -r \leq n < b-1 \rightarrow Dg(n+1) \in [-r, b-1)$$

$$\xrightarrow{\cap} (a+1, d] \cap [-r, b-1) = (-r, d) \rightarrow \begin{cases} a+1 < -r \rightarrow a < -r-1 \\ b-1 < d \rightarrow b < d+1 \end{cases}$$

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شهریور

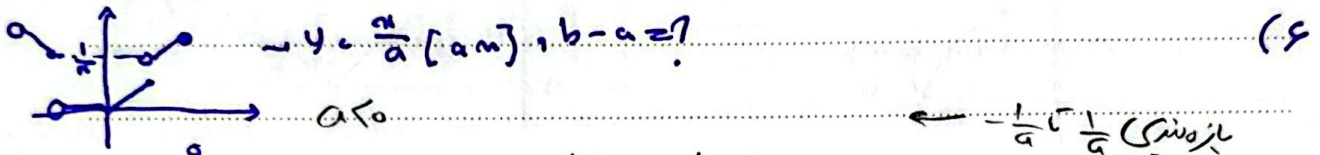
$$y = R\left(\frac{n}{r} + 1\right) \quad ; \quad D_{R,r} y = \sqrt{|R(rL(n) - r)|} \quad ? \quad (1)$$



$$-1 < R(n) < 2 \quad \frac{rL(n)}{r} - 2 < R(n) < 2 \quad \frac{rL(n)}{r} - 2 < R(n) < 2 \quad \frac{rL(n)}{r} - 2 < R(n) < 2$$

$$\frac{1}{r} < |R(n) - r| < \frac{1}{r} \quad \frac{1}{r} < |R(n) - r| < \frac{1}{r}$$

$$\rightarrow D_{R,r} = \left[-\frac{1}{r}, \frac{1}{r}\right] \quad , \quad R_{y,r} = [0, \sqrt{2}]$$



$$\left(-\frac{1}{a}, 0\right] \in \mathcal{N} \rightarrow y \in 0 / \left[0, -\frac{1}{a}\right] \in \mathcal{N} \rightarrow y \in -\frac{n}{a}$$

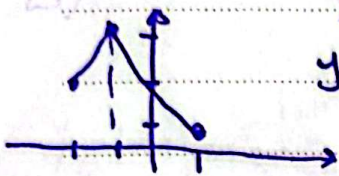
$$\left(-\frac{1}{a}, -\frac{r}{a}\right] \in \mathcal{N} \rightarrow -\frac{r}{a} \quad \frac{r}{a} \rightarrow n = -\frac{1}{a} \rightarrow y = -\frac{r \times -\frac{1}{a}}{a} = \frac{r}{a^2}$$

$$\rightarrow b - a = \sqrt{r} - (-\sqrt{r}) = \boxed{2\sqrt{r}}$$

$$L(n) = \log_y n \xrightarrow{n+1} \log_y n+1 \xrightarrow{n \rightarrow \infty} \log_y n+1 \xrightarrow{n \rightarrow \infty} \log_y n+1 \xrightarrow{n \rightarrow \infty} \log_y n+1 \quad (1)$$

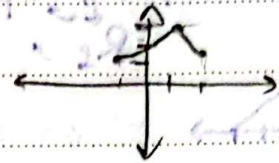
$$\xrightarrow{n \rightarrow \infty} -\log_y n+1 \xrightarrow{n \rightarrow \infty} -\log_y n+1 \xrightarrow{n \rightarrow \infty} -\log_y n+1 \xrightarrow{n \rightarrow \infty} -\log_y n+1 \rightarrow g(-1) = -1$$

$$-1 - 1 = \boxed{-2}$$



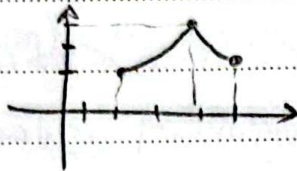
$$y = f(x) = L(n-x)$$

$$\frac{y}{n} = \frac{n-x}{n}$$

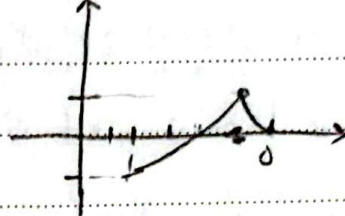


(۹)

$$n-x$$

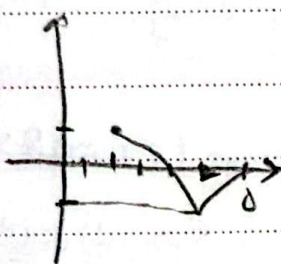


$$y-x$$

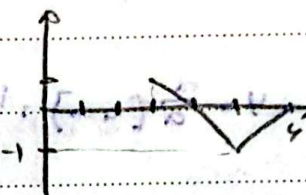


$$y-x-1$$

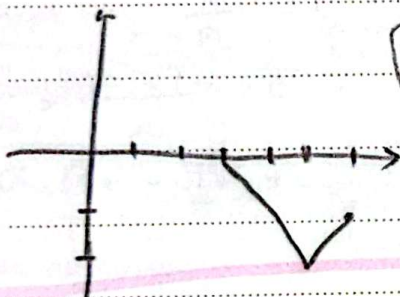
$$n-1$$



$$n-1$$



$$y-1$$



$$L(n-1) - 1 = y$$

عوامل کفر

$$L(n) = \left| \frac{n+1}{n+1} \right| \xrightarrow{n-x} \left| \frac{(n-x)+1}{x(n-x)+1} \right| < \left| \frac{n-1}{n-x} \right|$$

(۹)

$$\frac{y+1}{n} \left| \frac{n-1}{n-x} \right| + 1 < g(n) \rightarrow n + g(n) < 0 \rightarrow n + \left| \frac{n-1}{n-x} \right| + 1 < 0$$

$n + \frac{n-1}{n-x} + 1 < 0$ $\frac{n^2 - n + n - 1 + n - x}{n-x} < 0$ $\frac{n^2 - x}{n-x} < 0 \rightarrow \frac{-\sqrt{x} \sqrt{x} \frac{n}{x}}{-1 + 1 - \frac{1}{x} + 1}$	$\frac{n^2 + 1 - n}{n-x} + 1 < 0$ $\frac{n^2 - n + 1 - n + n - x}{n-x} < 0$ $\frac{n^2 - x}{n-x} < 0 \rightarrow \frac{1-\sqrt{x}}{x} \frac{1+\sqrt{x}}{x} \frac{n}{x}$ $1 < n < \frac{n}{x}$ $\left[\frac{1+\sqrt{x}}{x}, \frac{n}{x} \right)$	$n - x \rightarrow \frac{n^2 - x}{n-x} < 0$ $\frac{-\sqrt{x} \sqrt{x} \frac{n}{x}}{-1 + 1 - \frac{1}{x} + 1} < 0$ $\frac{n}{x} > n$
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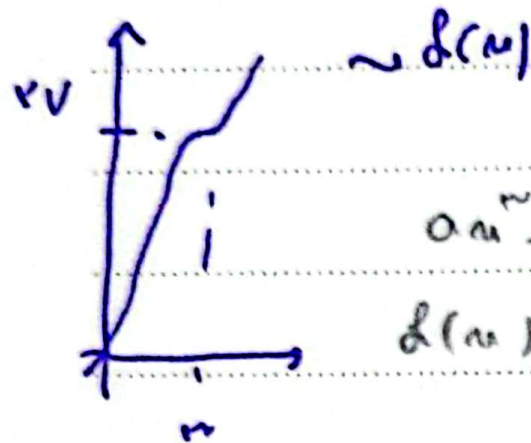
$$\bigcup_{n \in \mathbb{N}} (-\infty, -\sqrt{x}] \rightarrow (-\infty, -\sqrt{x}] \cup \left[\frac{1+\sqrt{x}}{x}, \frac{n}{x} \right)$$

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سنة ١٤٤٧ ٣٠ ربيع الأول

2025 September Tuesday

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(1.4)

 $\leftarrow v \sim \tilde{d}'(0,0) \rightarrow$

$$a u^r \sim d(u) \rightarrow u \in \mathcal{U} \rightarrow \wedge a \in \mathcal{V} \rightarrow a \in \frac{\mathcal{V}}{\lambda}$$

$$d(u) \sim \frac{\mathcal{V}}{\lambda} u^r \rightarrow \sqrt{\lambda d(u) - d^r(u)} \sim g(u) \rightarrow$$

$$g(u) \in \sqrt{\lambda \times \frac{\mathcal{V}}{\lambda} u^r - \left(\frac{\mathcal{V}}{\lambda} u^r\right)^r} \rightarrow \lambda \times \frac{\mathcal{V}}{\lambda} u^r - \left(\frac{\mathcal{V}}{\lambda}\right)^r u^r \geq 0$$

$$\rightarrow u^r (\mathcal{V} \times \frac{\mathcal{V}}{\lambda} - \left(\frac{\mathcal{V}}{\lambda}\right)^r u^r) \geq 0 \rightarrow \frac{0}{- \quad + \quad -}$$

$$\rightarrow \boxed{D d \in [0, \frac{\mathcal{V}}{r} \sqrt{\mathcal{V}}]}$$