

١٤, ٢٥

تکین و فاطمه زهرا

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

(1)

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

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

✓

(2)

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

(4)

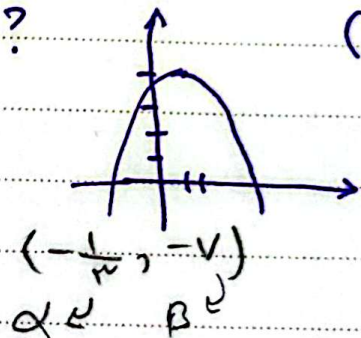
$$f(x) \xrightarrow{\omega} A = (-1, r) \xrightarrow{x+r} (-1, r)$$

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

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

✓

(3)



$$y = r - \sqrt{r^2 + r} \xrightarrow{x=r} r - \sqrt{r^2 + r} = r - \sqrt{r^2 + r}$$

(5)

$$\xrightarrow{x=r} -(r - \sqrt{r^2 + r}) = \sqrt{r^2 + r} - r \xrightarrow{\frac{y}{\omega}} \sqrt{r^2 + r} - r = \omega$$

$$y = \sqrt{r^2 + r} + r$$

$$\sqrt{r^2 + r} + r = \frac{r}{r} \rightarrow x = \frac{1}{r}$$

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

(1, 2)

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

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

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

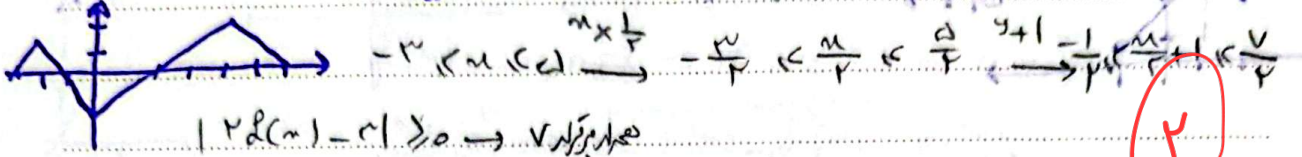
١٤٠٤

شهریور

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

$$a - b = -9$$

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



$$-1 < R(n) < 2 \quad \xrightarrow{R(n) - 2} \quad -2 < R(n) < -1 \quad \xrightarrow{R(n) - r} \quad -r < R(n) - r < -r + 1$$

$$\xrightarrow{||} \quad 0 < |R(n) - r| < 1 \quad \xrightarrow{\sqrt{\cdot}} \quad 0 < \sqrt{|R(n) - r|} < 1$$

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

$$y = \frac{n}{a} \quad ; \quad b - a = ? \quad \rightarrow \quad -\frac{1}{a^r} [-1] = \frac{1}{r} \rightarrow a^r = r \quad (C)$$

(15)

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

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

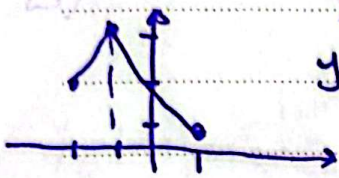
$$\frac{r}{a^2} = \frac{1}{r} \rightarrow a = \pm \sqrt{r} \rightarrow a = \sqrt{r} \quad , \quad b = -\frac{r}{a} = -\frac{r}{\sqrt{r}} = -\sqrt{r}$$

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

$$R(n) = \log_y n \quad \xrightarrow{n+1} \quad \log_y^{n+1} \quad \xrightarrow{\text{قانون}} \quad -\log_y^{n+1} \quad \xrightarrow{\text{نقطه صفر}} \quad -\log_y^{n+1} + n \quad (V)$$

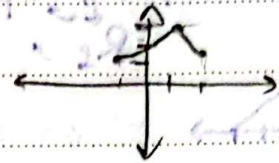
$$\xrightarrow{\text{نقطه صفر}} \quad -\log_y^{n+1} + n \rightarrow g(n) = -\log_y^{n+1} + n \rightarrow g(-1) = -1$$

$$-1 - n = \boxed{-1} \quad (2)$$



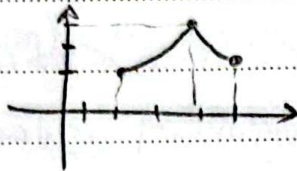
$$y = f(x) = L(n-x)$$

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

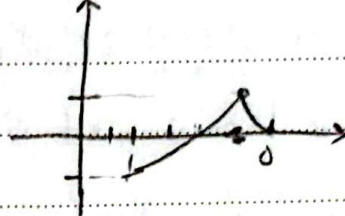


(۸)

$$n-x$$

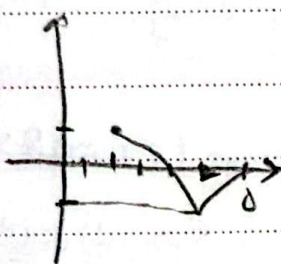


$$y-x$$

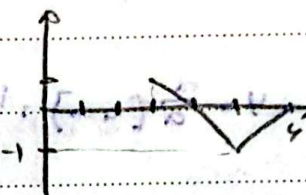


$$y-x-1$$

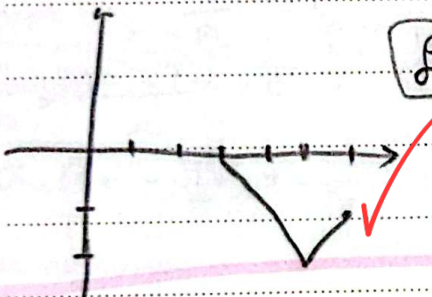
$$n-1$$



$$n-1$$



$$y-1$$



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

(۹)

عوامل کفر

$$L(n) = \left| \frac{n+1}{n+1} \right| \xrightarrow{n-x} \left| \frac{(n-x)+1}{x(n-x)+1} \right| < \left| \frac{n-1}{n-x} \right| \quad (۹)$$

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

$$n + \frac{n-1}{n-x} + 1 < 0$$

$$\frac{n^2 - n + n - 1 + n - x}{n-x} < 0$$

$$\frac{n^2 - x}{n-x} < 0 \rightarrow \frac{-\sqrt{x} \sqrt{x} \frac{n}{x}}{-1 + 1 - \frac{1}{x} + 1}$$

$$\frac{1}{n-x} \rightarrow (-\infty, -\sqrt{x})$$

شماره یوز

$$\frac{n^2 - n + n - 1 + n - x}{n-x} < 0$$

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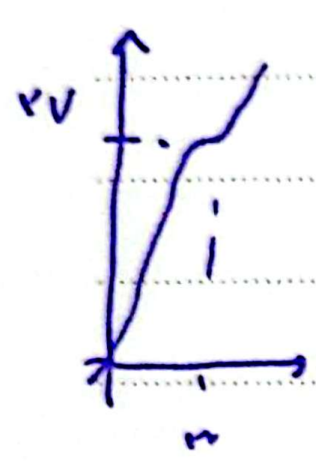
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1

$$f(n) = \frac{rv}{\lambda} (n-r)^r + rv$$



$\sim d(n)$

صحيح ← $D_f = [0, \frac{1}{\lambda} rv]$

(1.4)

← $v \sim \vec{v}(0,0) \rightarrow$ ميل

$an^r \sim d(n) \rightarrow n < r \rightarrow \wedge a \in rv \rightarrow a < \frac{rv}{\lambda}$

(1)

$d(n) \sim \frac{rv}{\lambda} n^r \rightarrow \sqrt{rv d(n) - d^r(n)} \sim g(n) \rightarrow$

$g(n) \sim \sqrt{rv \times \frac{rv}{\lambda} n^r - (\frac{rv}{\lambda} n^r)^r} \rightarrow rv \times \frac{rv}{\lambda} n^r - (\frac{rv}{\lambda})^r n^r \geq 0$

$\rightarrow n^r (rv \times rv - (\frac{rv}{\lambda})^r n^r) \geq 0 \rightarrow$

9	$\frac{rv}{\lambda}$	$\sqrt{rv}$
-	+	-

$\rightarrow D_d \in [0, \frac{n}{r} \sqrt{rv}]$