

سجد سحان ۲۰ آخری!

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$$\left. \begin{matrix} p \leq -1 \\ k \leq 1 \end{matrix} \right\} \rightarrow m+n+p+k \leq -1 + \varepsilon - 1 + 1 \cdot \sqrt{-v}$$

$$\rightarrow) \quad [-r] + r = 0 \Rightarrow [-r] + r = 0$$

$u(u^T - 1) \geq 0$

$\rightarrow y = \frac{\sqrt{|n-r|-nr}}{|n|-1} \Rightarrow |n-r|-nr \geq 0 \rightarrow (n-r-nr)(n-r+nr) \geq 0$
 $\underbrace{|n|-1}_{n \neq \pm 1}$
 $\underbrace{(n-r-nr)}_{\substack{\text{same} \\ \text{as } 0}} (n-r+nr) \geq 0$
 $n \in (-r, 1]$
 $\rightarrow Df = [-r, 1) - \{0\}$ ✓

$$|m-r|-1-k \neq \cdot \rightarrow |m-r|-1 \neq k \rightarrow k \geq 0$$

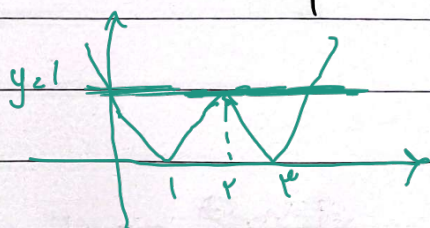
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$$|m-r|-1 \neq \pm k \rightarrow |m-r| \neq \pm k+1 \rightarrow$$

$$\left\{ \begin{array}{l} |m-r| \neq k+1 \rightarrow \left\{ \begin{array}{l} m-r \neq k+1 \rightarrow \underline{m \neq k+r} \\ m-r \neq -k-1 \rightarrow \underline{m \neq -k+1} \end{array} \right. \end{array} \right.$$

$$\left\{ \begin{array}{l} |m-r| \neq -k+1 \rightarrow \left\{ \begin{array}{l} m-r \neq -k+1 \rightarrow \underline{m \neq -k+r} \\ m-r \neq k-1 \rightarrow \underline{m \neq -k+1} \end{array} \right. \end{array} \right.$$

$$\Rightarrow k \in \{1, r\} \Rightarrow \left\{ \begin{array}{l} k \geq 1 \rightarrow m \neq \Sigma, m \neq 0, m \neq r \checkmark \\ k = r \rightarrow m \neq 4, m \neq -r, m \neq \cdot \end{array} \right.$$



با رسم مثل بر حسب ترتیب جواب بررسی!

$\checkmark$ $m \in k+1$ $\cup$

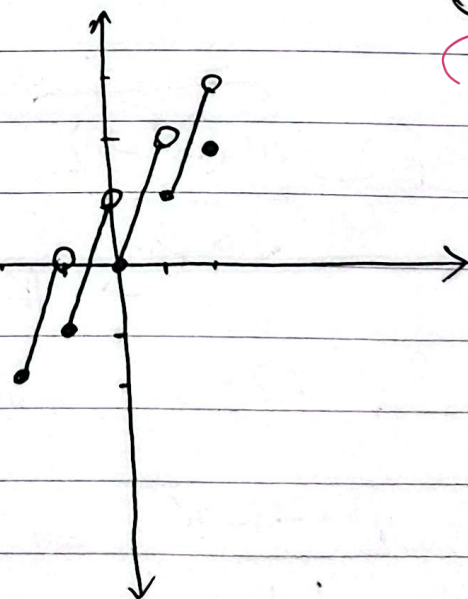
$$k \in [-r, -1) \rightarrow y = rm + r$$

$$k \in [-1, 0) \rightarrow y = rm + 1$$

$$k \in [0, 1) \rightarrow y = rm \checkmark$$

$$k \in [1, r) \rightarrow y = rm - 1$$

$$k = r \rightarrow y = r$$



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(r)

s.a.m

$$f(n) = \begin{cases} \frac{(n-1)(n-r)}{a+a} + b = n-r+b \quad (b, r) & a = -1 \\ \frac{(n-1)(n-c)}{a-c} + b = n-1+b \quad (b, 1) & a = -r \end{cases}$$

$$\rightarrow a - b = -1 - r = (-r) \quad \checkmark$$

$$f(n) = \begin{cases} \frac{a(n^r-1) + r(n^r-1)}{a^r-1} \quad n \neq \pm 1 & (r) \\ \frac{an+r}{a+b} \quad n = \pm 1 & (P) \end{cases}$$

$$g(n) = a+c \rightarrow (c, r) \quad \checkmark$$

$$\rightarrow (1, r), (-1, 1) \rightarrow \begin{cases} \frac{a+r}{1+b} \cdot r \rightarrow a+r, c+cb \rightarrow cb+1 \cdot a, r \cdot b \cdot a \\ \frac{-a+r}{b-1} \cdot 1 \rightarrow -a+r, b-1 \rightarrow c \cdot b+a, b \cdot 1, a \cdot r \end{cases}$$

$$\rightarrow b + c \cdot 10 + r \cdot 10 \quad \checkmark$$

$$1) \{m-a\} \rightarrow n, \frac{c}{\varepsilon} a \rightarrow \frac{c}{\varepsilon} a < 1 \rightarrow a < \frac{\varepsilon}{c} \quad (1)$$

$$2) b \in \mathbb{N} \rightarrow n, \frac{b}{\varepsilon} \rightarrow \frac{b}{\varepsilon} = 1 \rightarrow b = \varepsilon \quad (2)$$

$$3) \left. \begin{aligned} f(n) &= \sqrt{\varepsilon n - 1} + k - 1 \xrightarrow{n \rightarrow 1} f(1) = k - 1 \\ g(n) &= \sqrt{\varepsilon n} + k \xrightarrow{n \rightarrow 1} g(1) = k \end{aligned} \right\} \rightarrow k - 1 \quad (k < -1)$$

$$ca = \frac{b}{r} = k, \varepsilon = r + 1 \quad (3)$$

$$Dg = [-1, +\infty) \quad (4)$$

$$Df : (-\infty, m] \rightarrow [m, \sqrt{m}] \quad (5)$$

$$(f-g)(r) = 4\sqrt{r} \rightarrow r+k \rightarrow \sqrt{r} < 4\sqrt{r} \rightarrow$$

$$n = \sqrt{r} - r \Rightarrow m+n < \delta + \sqrt{r} \quad (6)$$

$$y = \frac{1}{r} (m - [m]) = \frac{1}{r} \rightarrow a - [a] = \frac{1}{r} (a \in [r, r+1]) \quad (7)$$

