

دست‌کند! $[-14, 8]$ $-14 < 3m-2 \leq 8$ $-12 \leq 3m \leq 10$ $-4 < m \leq 2$ (این)

ب) $[-\frac{2}{3}, 0]$ $-\frac{2}{3} \leq m \leq \frac{4}{3}$ $-4 \leq 3m-2 \leq 2$ $-2 \leq 3m \leq 4$

صورت سوال! درست بخوان!

مقادیر $(m-2) + \sqrt{(m-2)-2}$ $m-2 + \sqrt{m-2} = y$ $m + \sqrt{m-2} = y+2$ $m^2 + m - 4 + \sqrt{m-2} = y^2 + 4y + 4$ $m^2 - y^2 + m - 4 - y^2 - 4y - 4 = 0$ $m^2 - y^2 + m - 4 - y^2 - 4y - 4 = 0$ $m^2 - y^2 + m - 4 - y^2 - 4y - 4 = 0$

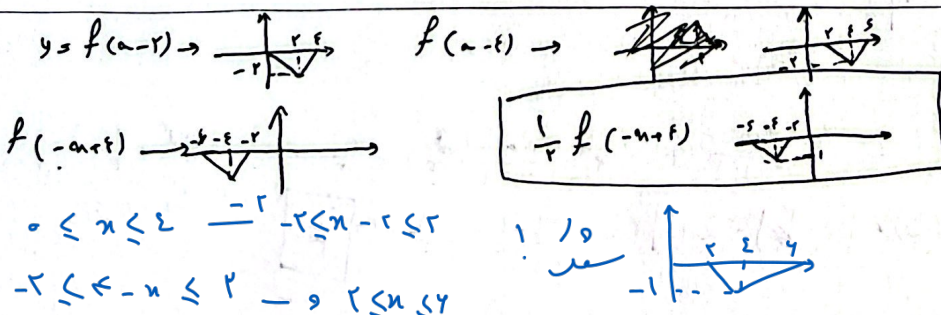
انتقال $y = m + \sqrt{m-2}$ $y = (m-2) + \sqrt{m-2}$ $m = (y-2) + \sqrt{y-2}$ $m < y$ $2 = \sqrt{y-2} \rightarrow y-2 < 4 \rightarrow y < 8, m < 8$

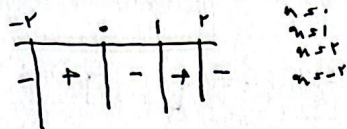
$f(x) = 2x-1$ $f(12) = 23$ $f(2) = 3$ $f(12) = 23$ $f(2) = 3$

راه حل کامل بنویس با رسم نمودار!

$a + 2f(\frac{m-a}{2}) = 2m-1$ $2f(\frac{m-a}{2}) = \frac{2m-(1+a)}{2}$ $f(\frac{m-a}{2}) = \frac{2m-(1+a)}{4}$ $f(m) = 2m-1$

$\frac{x-a}{2} = 2 \rightarrow x = a+4$ $2a+1-1 = a-4$ $a = -4$ $\frac{y-a}{2} = -2 \rightarrow y = a-4$





$$[-2, 0] \cup [1, 2]$$

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$$|2(n-k)-2|+1-2 \quad g(n) = |2n+2k-2|-2$$

$$\Rightarrow n.s. \Rightarrow |-2k-2|-2 \leq |-2|+1$$

$$|2k+2| \leq 5$$

$$2k+2 \leq 5 \Rightarrow k \leq 1.5$$

$$2k+2 \geq -5 \Rightarrow k \geq -3.5$$

$$k \in [-3.5, 1.5]$$

چون به سمت راست حباب می شود و غیر قابل قبول است

$$g(n) \leq 0 \Rightarrow |2k-2| \leq 2 \Rightarrow k \in [0, 2]$$

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نیمه مجزئ شده

$$\frac{2n-1}{n+1} \leq \frac{2n}{n} - 1 + k \leq \frac{2n-1}{n+1}$$

$$\frac{-2n+2}{n+1} + k \leq \frac{2n-1}{n+1}$$

$$\frac{-2n+2}{n+1} + k \leq \frac{2n-1}{n+1}$$

$$\frac{(-2+k)n+2(n+1)}{n+1} \leq \frac{2n-1}{n+1}$$

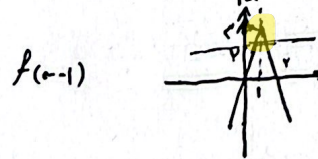
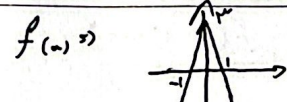
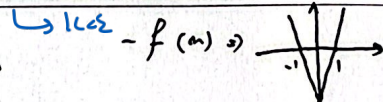
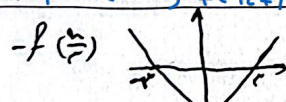
پایه ها را بخوان

$$(2n-1)(n+1) \leq (-2+k)n+2(n+1) \leq (2n-1)(n+1)$$

$$2n^2+2n-1 \leq (-2+k)n+2n+2 \leq 2n^2+2n-1$$

$$(k-2)n^2 + 2n(1-1) + 2k+2$$

$$(k-2)n^2 + 2n(1-1) + 2k+2 \leq (2n-1)(n+1) \leq (k-2)n^2 + 2n(1-1) + 2k+2$$



$$\frac{2 \times (2 + \frac{2}{2})}{2} = \frac{1}{2}$$

$$S'_n = 2$$

$$S'_n - \frac{1}{n} = S_{\text{خارج شده}} = \frac{1}{n}$$

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$$\min s(a, -2) \Rightarrow \frac{(a-2)(a-2)}{2} + \frac{2 \times 2}{2} = \frac{a^2-4a+4}{2} + 2 \leq \frac{a-2}{2} \leq \frac{a-2}{2}$$

$$a=2 \Rightarrow f\left(\frac{1}{2}\right) = |2 - \frac{1}{2}| - 2 \leq \left|\frac{1}{2} - 2\right| - 2 = \frac{1}{2} - 2 = -\frac{3}{2}$$

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