

$$g = \sqrt{nf(n)}$$

$$nf(n) > 0$$

لیست برای

$$D_F \subset [-\gamma, \omega] = \{ [-\gamma, -\omega) \cup (0, \gamma] \}$$

$$f, b, a \rightarrow [-\gamma, -\omega) \cup (0, \gamma]$$

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$$g = \sqrt{\frac{-n}{f(n)}} \Rightarrow \frac{-n}{f(n)} > 0$$

$$f, a, b \rightarrow [-\epsilon, -\gamma) \cup (\gamma, \omega]$$

$$D_F \subset [-\epsilon, \omega] = \{ [-\epsilon, -\gamma) \cup (\gamma, \omega] \}$$

اعداد صحیح

$$f(r) = r f(r) \Rightarrow r^2 - \gamma + r = 0 \Rightarrow f(r) = r \Rightarrow f(r) = r$$

$$f(-r) = f(-r) - r f(r) \Rightarrow (-r)^2 - (-\gamma) + r = 0 \Rightarrow f(-r) = r + \gamma + r = 2r + \gamma$$

$$f(f(\omega)) + f(f(1)) = f(r) + f(0) = \gamma + r, 9$$

$$f(n) = \begin{cases} n^2 - \sqrt{n+1} & ; n > r \\ \gamma n + r & ; n \leq r \end{cases}$$

$$f(n-1) - f(n) = \gamma n + r \Rightarrow a(n-1)^2 - b(n-1) + r - (a n^2 - b n + r) = \gamma n + r$$

$$\gamma n + r$$

$$\Rightarrow a n^2 - (2a n + a - b n + b) + b n - \gamma n + r = \gamma n + r \Rightarrow -2a n + b = \gamma n + r$$

$$\left. \begin{matrix} -2a = \gamma \\ a + b = r \end{matrix} \right\} \Rightarrow b - a = 1 \Rightarrow a = -1$$

$$f(n) = \frac{n^2 + \epsilon n + a}{n^2 + \epsilon n + b} \Rightarrow f(\sqrt{n} - r) = \frac{(\sqrt{n} - r)^2 + \epsilon(\sqrt{n} - r) + a}{(\sqrt{n} - r)^2 + \epsilon(\sqrt{n} - r) + b}$$

$$f(\sqrt{n} - r) = r$$

$$f\left(n - \frac{1}{n}\right) = \frac{n^f + 1}{n^f}$$

-v

$$\left(-\frac{1}{n} + n - \frac{1}{n}\right) n \Rightarrow n^2 + n - 1 = 0 \Rightarrow n^2 - n + 1$$

?

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$$\text{ان} \frac{f}{g} = \left\{ (2, 0), \left(1, \frac{-f}{\sqrt{n}}\right), \left(0, \frac{f}{\sqrt{n}}\right) \right\}$$

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$$\rightarrow \frac{g}{f} = \left\{ \left(1, \frac{\sqrt{n}}{-f}\right), \left(0, \frac{\sqrt{n}}{f}\right) \right\}$$

$$f(n) = \left\{ (2, 0), (1, -2), (0, 2), (7, 1) \right\}$$

$$g(n) = \left\{ (2, \sqrt{5}), (1, \sqrt{n}), (0, 2), \left(\frac{5}{\sqrt{2}}, -1\right) \right\}$$

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$$f(n) = \left\{ (2, 1), (3, 4), (-5, 2), (1, -2) \right\}$$

$$\text{ان} 2f(n) = \left\{ (2, 2), (3, 8), (-10, 4), (2, -4) \right\}$$

$$\rightarrow f(n) + 1 = \left\{ (2, 3), (3, 5), (-4, 3), (2, -3) \right\}$$

$$\rightarrow 2f(n) + 1 = \left\{ (2, 3), (3, 5), (-9, 2), (4, -1) \right\}$$

$$\rightarrow f(2n) = \left\{ (4, 1), (6, 4), (10, 2), (14, -1) \right\}$$

-A

$$f(n) = \left\{ (2, 2), (7, 2), (4, 4), \left(\frac{3}{2}, 2\right) \right\}$$

$$g(n) = \left\{ (1, 0), (2, 1), (4, -1), (-2, -2), \left(-\frac{3}{2}, -1\right) \right\}$$

$$\text{ان} f - g = \left\{ (2, 2), (1, 1), (3, 2) \right\}$$

$$\rightarrow \frac{2f}{g} = \left\{ (2, 2), \left(\frac{1}{2}, 1\right), (3, -2) \right\}$$

تغییر شده
بد غلط