

شماره تلفن ۷
تعداد صفحه ۲

به نام خدا
مبحث: تکلیف: توابع و خواص آن

تلف: یا از اسم به A

آخرین مهلت ارسال تکلیف: ۱۳/۷/۱۴۰۳ ساعت ۲۳:۵۹

امیدوارم ۱۱ به A

$$f(n) = \sqrt{(n-4)+2} = |\sqrt{n-4}+2| \quad (1)$$

$$g(n) = \sqrt{(n-4)+2} = |\sqrt{n-4}-2|$$

پس $n \geq 4$ و $n \geq 2$ و $n \geq 0$
صورت و مخرج مثبت

$$g(n) = f(n) = 2\sqrt{n-4}$$

$$2\sqrt{n-4} = a + b\sqrt{n-4}$$

$$a = 2 \quad b = 2$$

$$f(n) = \frac{n+2}{n^2-4n+4} = \frac{n+2}{(n-1)(n-3)} \quad n = 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100$$

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

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

$$f(n) = \left\{ \left(\frac{1}{2}, 2 \right), \left(\frac{3}{2}, -1 \right), \left(\frac{5}{2}, 1 \right), \left(\frac{7}{2}, 2 \right) \right\}$$

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

$$f(2n) = \left\{ \left(\frac{1}{2}, 2 \right), \left(\frac{3}{2}, -1 \right), \left(\frac{5}{2}, 1 \right), \left(\frac{7}{2}, 2 \right) \right\}$$

$$f(n) = \left\{ (1, 2), (3, -1), (5, 2), (7, 2) \right\}$$

$$2\sqrt{n+1} = \left\{ \left(\frac{1}{2}, 2 \right), \left(\frac{3}{2}, -1 \right), \left(\frac{5}{2}, 1 \right), \left(\frac{7}{2}, 2 \right) \right\}$$

$$\frac{2\sqrt{n+1}}{g} = \left\{ (1, -1), (3, -1), x \right\}$$

$$f(n) = \left\{ (2, 1), (4, 1), (6, 1), (8, 1) \right\}$$

$$2\sqrt{n} = \left\{ (2, 2), (4, 2), (6, 2), (8, 2) \right\}$$

$$g(n) = \left\{ (2, 1), (4, 1), (6, 1), (8, 1) \right\}$$

$$h. v f r g, \left\{ (2, \omega), (3, \omega), (-2, 4) \right\}$$

$$f(n) = \frac{\sqrt{n-4}}{n-2} \quad n \neq 2 \quad (II)$$

$$(I)$$

$$D_f = [0, \infty) - \{2\}$$

$$D_m = [0, \infty) - \{2\} \quad (II) \quad m \geq n$$

$$g(n) = [n] + [-n] \quad g_x = (-1, 0)$$

(و) به نام خدا و در این سبک، این کتاب به نام

$$\sqrt{n} \geq a \quad \xrightarrow{\text{بهره‌برداری}} \quad m \geq n$$

$$n \geq 0$$

$$m \geq n$$

$$f(x) = \sqrt{x(n-x)} \Rightarrow n \in \{0, 1, \dots, n\} \quad \{1, 0\}, (x, y) \geq (x, 0) \quad (9)$$

$$g(n) = \{(1, 0), (x, y), (n, 0)\}$$

$$\frac{f(n)}{g(n)} = \{1, 0\}, (x, y) \geq (x, 0)$$

$$1) y \cdot n^r - n^r + n + 1 = n^r - n^r + n + 1 - 1 = (n-1)^r \Rightarrow y + 1$$

$$\sqrt[n-1]{y+1} = n-1 + \sqrt[n]{y+1} \Rightarrow (R)$$

$$1) y \cdot \frac{1}{n^r - n} = \frac{1}{(n-1)^r - 1}$$

$$y = \frac{1}{(n-1)^r - 1} \Rightarrow \frac{1}{y} \cdot (n-1)^r - 1 = \frac{1}{y} \cdot (n-1)^r - 1$$

$$2) y \cdot n^r - n^r + n + 1 = n - \frac{b}{ra} = (P) \quad (r)^r - \epsilon(r) + 1 = (Q) \Rightarrow \min [4, +\infty)$$

$$3) y \cdot n^r - n^r + n + 1 = n - \frac{b}{ra} = (P) \quad (r)^r - \epsilon(r) + 1 = (Q) \Rightarrow \min [4, +\infty)$$

$$4) y \cdot n^r - n^r + n + 1 = n - \frac{b}{ra} = (P) \quad (r)^r - \epsilon(r) - 1 = (Q) \Rightarrow \min [4, +\infty)$$

$$5) y \cdot n^r - n^r + n + 1 = n - \frac{b}{ra} = (P) \quad (r)^r - \epsilon(r) + 1 = (Q) \Rightarrow \min [4, +\infty)$$

$$6) y \cdot \sqrt{n^r - n^r + n + 1} = \sqrt{R} \Rightarrow [0, +\infty)$$

$$7) y \cdot (n^r + n^r + n + 1)^r = R \Rightarrow [R]$$

$$8) y \cdot \frac{r(n+1)}{n-r} = \frac{a+b}{c(n+1)} \Rightarrow R \setminus \{r\}$$

$$9) y \cdot \frac{r(n+1)}{n+1} = \frac{a+b}{c(n+1)} \Rightarrow R \setminus \{r\}$$