

$$f(r) = 9 - 9 + 1 = \underline{1}$$

$$f(-1) = 1 + 9 + 1 = \underline{0}$$

$$f(r) = r - 9 + 1 = (-1)^r = 1$$

$$\frac{r+0}{1} = \underline{V}$$

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$$f(r) = 1r + 1 = \underline{1r}$$

$$f(-r) = \underline{r}$$

$$f(r) = 9 + 1 = \underline{V}$$

$$\frac{r(1r) - r(r)}{V} = \frac{r9 - 1}{V} = \left(\frac{r1}{V} \right)$$

V

$$f(r) = 1 \rightarrow f(1) = \underline{9}$$

$$f(r) = r \rightarrow f(r) = \underline{9}$$

$$f(1) = 9 \rightarrow 9 - r = r$$

$$\frac{9-9}{r} = \underline{0}$$

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$$\frac{n^r + r n + 9}{n^r + r n + 0} = \frac{n^r + r n + r + 0}{n^r + r n + r + 1} = \frac{(n+r)^r + 0}{(n+r)^r + 1} \Rightarrow \frac{(\sqrt{r} - r + r)^r + 0}{(\sqrt{r} - r + r)^r + 1} = \frac{r+0}{r+1}$$

$$= \frac{1}{r} = r \rightarrow f(r) = \frac{14+0}{14+1} = \left[\frac{r1}{1V} \right]$$

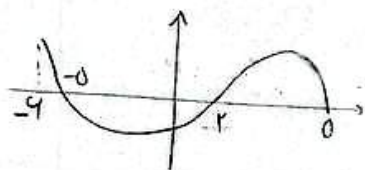
9

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

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

1.

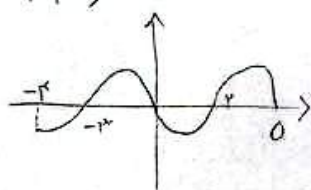
باید n در $f(n)$ علامت باشد یا مخرج یکی از آنها منفی باشد تا عبارت تعریف شود.



$$D_f = [-4, 0] \cup [2, 4]$$

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$$\frac{-x}{f(x)} > 0, f(x) \neq 0$$



$$D_f = (-2, 0) \cup (0, 2)$$

۳ → ۱, -۱, -۲ : تعداد اعداد صحیح

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$$x=2 \quad f(2) - 2f(2) = \frac{4}{4+2} \rightarrow -f(2) = \frac{2}{3} \rightarrow f(2) = -\frac{2}{3}$$

$$f(-2) - 2(-2) = \frac{4}{4+2} \Rightarrow f(-2) = \frac{10}{3}$$

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$$f(0) = 0 - \sqrt{9} \cdot 2 \Rightarrow f(2) = 4 + 3 = \boxed{7}$$

$$f(1) = 2 + 3 = 0 \Rightarrow f(0) = 0 - \sqrt{9} = \boxed{2}$$

$$7 + 2 = \boxed{9}$$

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$$f(n-1) = a(n-1)^2 - b(n-1) + 2 \rightarrow an^2 + a - 2an - bn + b + 2$$

$$an^2 + a - 2an - bn + b + 2 - an^2 + b - 2 = a - 2a - b + b + 2 = -a + 2$$

$$-2a = 4 \quad a + b = 2 \Rightarrow -2 + b = 2 \quad b = 4$$

$$a - b = -4 - 4 = \boxed{-8}$$

بازای جمع مقادیر + اعداد

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