

$$y = \frac{1}{3} (x-4)^2 + 3$$

$$\frac{1}{3} (x-4)^2 + 3 = 0 \Rightarrow x-4 = \pm 3 \Rightarrow x = 1, 7$$

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$$f(1) = 3$$

$$f(x) = 1 \Rightarrow x = \alpha = \frac{4}{3} \Rightarrow \alpha \beta = \frac{4}{3}$$

$$1 - 2 f(1) = 1 - 2(3) = -4 = \beta$$

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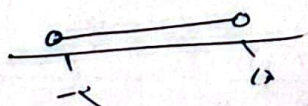
$$-\sqrt{x(x+1)} + 1 = -\sqrt{x(x+1)} + 1 = \frac{1}{x} \Rightarrow \sqrt{x(x+1)} = \frac{x-1}{x}$$

$$\sqrt{x(x+1)} = \frac{x-1}{x} \Rightarrow x = \frac{1}{x}$$

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$$f(x-1) \Rightarrow D_f \Rightarrow a < x-1 \leq 5 \Rightarrow a+1 < x \leq 6$$

$$g(x+1) \Rightarrow D_g \Rightarrow -1 \leq x+1 \leq b \Rightarrow -2 \leq x \leq b-1$$



$$a+1 = -2 \Rightarrow a = -3$$

$$b-1 = 6 \Rightarrow b = 7$$

$$\Rightarrow a-b = -3-7 = -10$$

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$$|2f(x) - 3| \geq 0 \Rightarrow 2f(x) - 3 \geq 0$$

$$2f(x) - 3 \leq 0$$

صورت
مقلوب

$$-2 \leq x \leq 6 \Rightarrow \frac{-2}{2} + 1 \leq \frac{x}{2} + 1 \leq \frac{6}{2} + 1$$

$$D_{f(x)} \Rightarrow \frac{-1}{2} \leq \frac{x}{2} + 1 \leq \frac{4}{2} \Rightarrow D_{f(x)} \Rightarrow \left[-\frac{1}{2}, \frac{3}{2}\right]$$

$$\sqrt{-10 \leq R \leq 1} \Rightarrow [0, 1] \Rightarrow R_{\text{ع}} \Rightarrow$$

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$$y = -1 \cdot g_{\gamma}^{-n+\gamma} + \gamma$$

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$$n = -1 \Leftrightarrow -1 \cdot g_{\gamma}^{-1+\gamma} + \gamma = -1$$

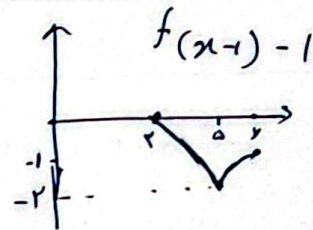
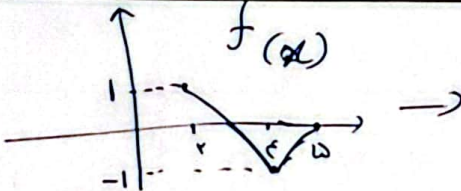
$$n = -\gamma \Leftrightarrow -1 \cdot g_{\gamma}^{-\gamma+\gamma} + \gamma = -\gamma$$

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$$f(0) = 0$$

$$f(\varepsilon) = -1$$

$$f(\gamma) = 1$$



$$g(n) = \left\lfloor \frac{(n-1)+1}{\gamma(n-1)+1} \right\rfloor + 1 \Leftrightarrow \left\lfloor \frac{n-1}{\gamma n - \gamma} \right\rfloor + 1 = g(n)$$

$$\left\lfloor \frac{n-1}{\gamma n - \gamma} \right\rfloor < -n - 1$$

$$\frac{n-1}{\gamma n - \gamma} < -n - 1$$

$$\frac{n-1}{\gamma n - \gamma} < 0$$

$$\frac{-\frac{\gamma}{\gamma} - \sqrt{\gamma} \sqrt{\gamma}}{-\frac{\gamma}{\gamma} + \gamma - \frac{\gamma}{\gamma} + \gamma}$$

$$n+1 < \frac{n-1}{\gamma n - \gamma} < -n - 1$$

$$\frac{-\gamma n^2 + \gamma n + \gamma}{\gamma n - \gamma} > 0$$

$$\frac{1-\sqrt{\gamma} \sqrt{\gamma}}{\gamma} > 0$$

$$\frac{1-\sqrt{\gamma} \sqrt{\gamma}}{\gamma} > 0$$

$$f(n) = (n-1)^{\gamma} + \gamma$$

$$f(n) = \gamma, n = \gamma$$

$$\gamma \wedge f(n) - f^{\gamma}(n) \geq 0$$

$$\frac{0}{-\phi + \phi} = 0$$

$$D_{\frac{\gamma}{2}} \Rightarrow [0, \gamma]$$

$$f(n) (\gamma \wedge - f(n)) \geq 0$$

• , 1 , 3 = مجموع (مجموعه)

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