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الف)

$$-4 \leq x \leq 2 \quad -2 \leq x \leq 4 \quad -\frac{11}{3} \leq x \leq \frac{4}{3}$$

$$D_f = \left[-\frac{2}{3}, \frac{4}{3}\right]$$

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$$-4 \leq x \leq 2 \quad -2 \leq x \leq 4 \quad -1 \leq x \leq 1 \quad D_f = [-1, 1]$$

۲. منی پرورد با خط x من با خواسته، این نقاط با قرینه کردن نسبت به خط $x=2$ منی منی کنند، پس فقط ۲ دایره داشت انتقال می دهیم.

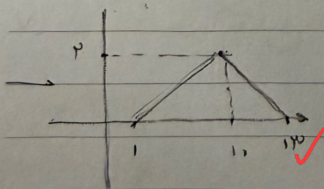
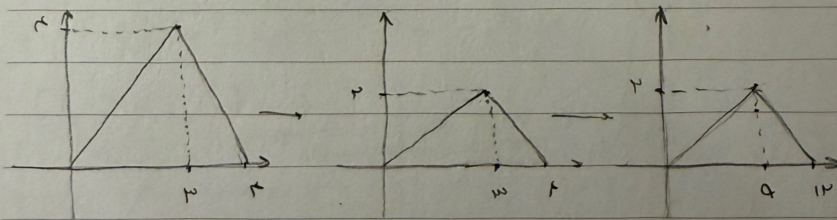
$$x-2 + \sqrt{x-4} = x$$

به جای x ، $x-2$ می گذاریم

$$\sqrt{x-4} = 2 \quad x-4 = 4 \quad x = 8 \quad (1 \text{ و } 1) \quad \text{تقاطع پرورد}$$

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$$S = \frac{(13-1) \times 2}{2} = 12$$

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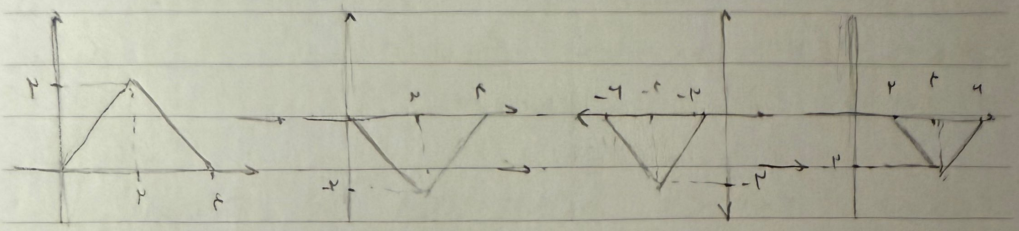
$$\frac{x-a}{2} = 2 \quad x-a = 4 \quad x = a+4$$

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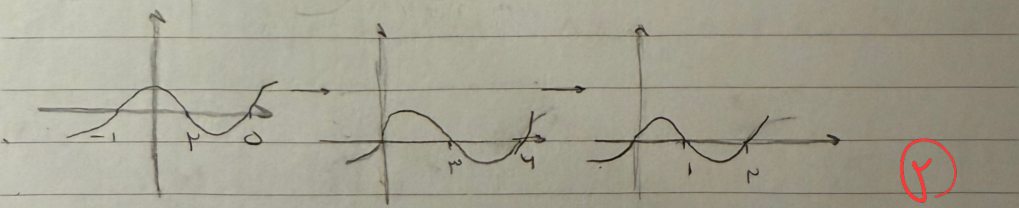
$$\frac{2P(a+r-a)}{2} + a = P(a+r) - 1 \quad 2a + a - 4 = a - 4$$

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$$y = f(x-p) \quad y = f(x+p) \quad y = f(x+p) \quad y = f(-x+p) \quad . \omega$$



$$y = \frac{1}{p} f\left(\frac{x}{p} + c\right) \quad (2)$$



$$y = \sqrt{(x+p)f(x-p)} \quad D_f = [-2, 2] \cup [1, 2] \quad (2)$$

$$f(x) \leq 0 \rightarrow |x| \leq 1 \rightarrow f(0, t) \quad g(x) \leq f(x, k) \rightarrow g(0) = f(0, k) \leq V$$

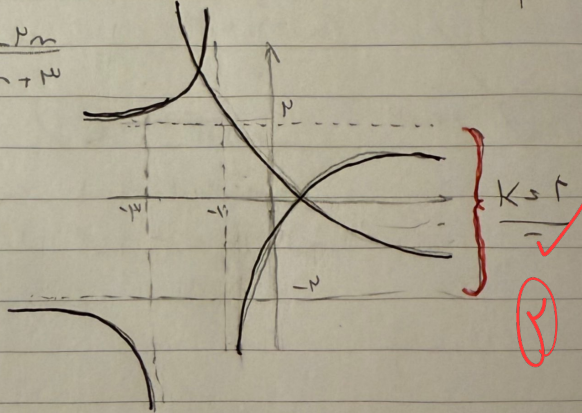
$$|x - p| + 1 \leq V \rightarrow |x - p| \leq V - 1 \rightarrow x - p \leq V - 1 \rightarrow x \leq p + V - 1 \rightarrow \boxed{k \leq \frac{9}{p}} > 0 \quad (2)$$

ایک طرفی

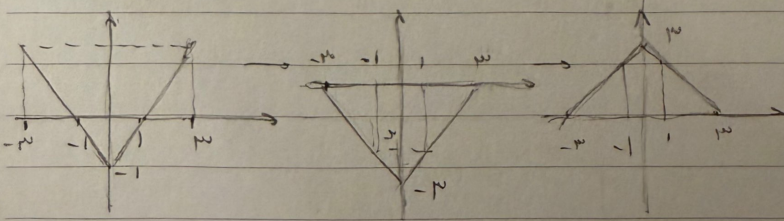
$$f(n) = \frac{n-1}{n+1} \quad \text{قریب نسبت} \quad f(n) = \frac{-(n-1)}{n+1} \quad \text{مول} \quad f(n) = \frac{-(\frac{n}{100}n-1)}{\frac{n}{100}+1}$$

$$s = \frac{\frac{n-1}{n}}{\frac{n+1}{n}} = \frac{n-1}{n+1}$$

$$g(n) = \frac{n-1}{n+1} + k$$

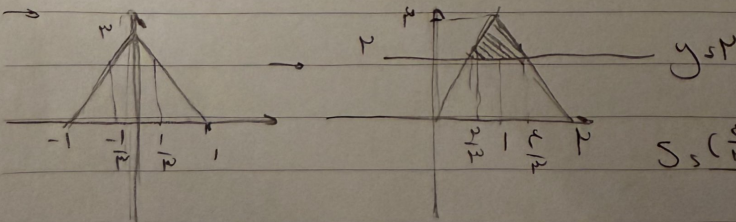


$$y = f\left(\frac{n}{n}\right) + 1 \quad y = f\left(\frac{n}{n}\right) \quad y = f\left(\frac{n}{n}\right)$$



$$y = f(n)$$

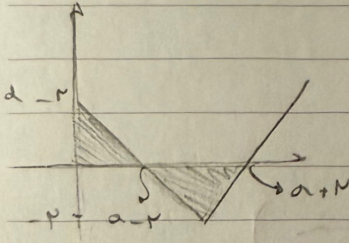
$$y = f(n-1)$$



$$s = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

✓

$$f(x) = (x-a) - p$$



$$S = \frac{(a-p)(a-p)}{2} + \frac{(a+p)(a-p)}{2} \times \frac{p}{2} = \frac{p}{2}$$

$$\frac{(a-p)(a-p)}{2} = \frac{1}{2} \rightarrow (a-p)^2 = 1$$

$$a-p = 1 \rightarrow a = p \checkmark$$

$$a-p = -1 \rightarrow a = -1 \rightarrow a = -1 < 0 \times$$

$$f\left(\frac{1}{p}\right) = \frac{1}{p} - p = -p \times \frac{p}{p} \checkmark$$

(p)