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کتابنامه ۱۱ هاشم نوغیالی در اهرام مصر A

$$(1) \text{ الف) } \Rightarrow \text{ نقاط با هم } y = x \Rightarrow n + [r] = n \Rightarrow$$

$$[r] = 0 \Rightarrow \text{ یعنی } n < 1 \Rightarrow (1) \Rightarrow$$

$$f \circ f^{-1}(n) = n \Rightarrow r_n - \frac{r}{p} = n \Rightarrow n = \frac{r}{p} \Rightarrow \text{ باید } (1)$$

$$n \in [r_n, r_n + 1) \quad R_f \text{ یعنی } p_f \text{ بات } \leq \text{ در } p_f \text{ نیست } \leq$$

$$f(m) = n + r \in [r_n, r_n + 1) \Rightarrow \frac{r}{p} \text{ دانسته } \rightarrow n = \frac{r}{p}$$

$$y = \frac{am + r}{m + b} \Rightarrow n = \frac{am + r}{m + b} \Rightarrow \text{ در } m + b = 0 \Rightarrow \text{ در } m + b = 0$$

$$\Rightarrow y = \frac{a}{r} \Rightarrow \left(\frac{a}{r} \right)$$

$$n = -\frac{b}{r}$$

$$\frac{a}{r} = -\frac{b}{r} \Rightarrow a = -b \Rightarrow b = -a \Rightarrow f(m) = \frac{am + r}{m - a}$$

در $m = y$

$$\rightarrow n = y$$

$$\Rightarrow f \circ f(m) = \frac{a(am + r) + r}{\frac{r}{m - a} - a} \Rightarrow \frac{a^2m + ar + r}{\frac{r}{m - a} - a} \Rightarrow \frac{a^2m + ar + r}{\frac{ram + ar - a^2m + ar}{m - a}}$$

$$\Rightarrow \frac{a^2m + ar + r}{ar + r} \Rightarrow \frac{n(a^2 + r)}{ar + r} \Rightarrow (n)$$

$$\Rightarrow \boxed{5 - \sqrt{2} = n}$$

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$$f(x) = x \Rightarrow \frac{m+1}{n+m+1} = x \Rightarrow m+1 = n' + m+1 \quad | \quad \text{P}$$

$$\Rightarrow n' + m + 1 = 0 \Rightarrow$$

$$n' - S_m + P = 0$$

$$\alpha + \beta = -1$$

$$\alpha \beta = -1$$

$$\frac{1}{\alpha} + \frac{1}{\beta} = \frac{\alpha + \beta}{\alpha \beta} = \frac{-1}{-1} = 1 \quad (1)$$

$$y = \sqrt{(m+d)^2} - \sqrt{(d-m)^2} = |m+d| - |d-m| \quad (2)$$

$$\Rightarrow \int_{\text{noil}} \Rightarrow \frac{\frac{d}{P}}{\frac{P}{d}} \Rightarrow \frac{-m-d}{m+d} \cdot \frac{m+d}{-m-d} = \frac{m+d-d+m}{-m-d+m+d} = \frac{2m}{-2d} = -\frac{m}{d}$$

$$\Rightarrow \text{بما } m \in [0, +\infty) \Rightarrow y = -m + d \Rightarrow y^{-1} \Rightarrow$$

في الج

- 0

$$y = -m + d \Rightarrow m = d - y \Rightarrow m = \frac{d-y}{1} \Rightarrow y = \frac{d-m}{1}$$

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

$$\Rightarrow n+1 = (\sqrt{y+1})^2 \Rightarrow \sqrt{n+1} = \sqrt{y+1} \Rightarrow \sqrt{n+1} - 1 = \sqrt{y}$$

$$\Rightarrow y = n+1+1 - 1\sqrt{n+1} \Rightarrow y = n+1 - 1\sqrt{n+1} \Rightarrow D_{y-1} = [1, n_0)$$

$f(n)$ تابع y

$$y = n - 1 + 1^n \Rightarrow \text{تقاطع در } y=0 \Rightarrow n - 1 + 1^n = 0 \Rightarrow \quad \text{N}$$

بالاتر از 0

$y=0$ خط

$$1^n - 1 = 0 \Rightarrow 1^n = 1 \Rightarrow \boxed{n=0} \quad \text{در نقطه } (0,0)$$

(0,0)

(A)

$$f(x) = -x + \sqrt{x+4} \Rightarrow y = -x + \sqrt{x+4} \Rightarrow x = -y + \sqrt{y+4} \quad (9)$$

کدک $\Rightarrow$ قرینه نسبت به y $\Rightarrow$ تبدیل از x به y

$$\Rightarrow x^2 = y^2 + y + 4 - 4y\sqrt{y+4}$$