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ادلاء خود دینا

$$g(m) \leq \sqrt{-(n^2 - t_{m+1})} \quad D_j = (m, M) \geq 0 \rightarrow n \leq M$$

$$D_{\text{goz}} \Rightarrow D_f \cdot [p, +\infty)$$

$$\#(m) \in D_j \xrightarrow{\sqrt{\log_p(n+1)}} \text{Log}_p s^r \xrightarrow{(n+1)} m \leq IV \rightarrow D_{\text{good}} = \{N\}$$

$$\log s^r (2^r - m + 1) - 0 s^r - 4m + 11$$

$$g_{\text{eff}}^2 = (P_n - O)^P - P(P_n - O) + \Delta S E_n^P - P_n \tau + P O - \gamma_n + I O + \Delta S E_n^P - \mu \gamma_n + \tau \Delta$$

$$P_2 - 42 + 115 \text{ km}^2 - 14 \text{ m}^2 \text{ f} \Lambda \rightarrow P_2 - P_2 + 115 \text{ km}^2$$

$$\alpha^r + \beta^r, (\alpha + \beta)^r - \underbrace{r\alpha\beta}$$

$$\frac{-b}{a} > \frac{p_0}{\mu} > 10$$

$\rightarrow I_{OV} = I_{V_1} + I_{V_2} + I_{V_3}$ ✓ (5)

$$g(f(n)) \circ g(p(n)) = O(n^p + 1)$$

$$g(n) \leq O\left(\frac{n}{p}\right)^2 + 1 \rightarrow g(n) \leq \frac{O}{2} n^2 + 1 \rightarrow g(n-1) \leq \frac{O}{2} (n-1)^2 + 1$$
 (معمولاً ثابت) یا صفر

$$g(m-v)_{min} = \frac{D(0)^2}{r} + 11511$$

$$P(g(n)) = f = Pn^P - 9n - 1 \rightarrow P(g(n)) = Pn^P - 9n + P \quad 5$$

$$g(n) = n^P - Pn + 1$$

$$g^{(P)}(n) = (Pn - P)^P - P(Pn - P) + 1 = 9n^P + 14 - P^2n - 9n + 1 + 1$$

$$= 9n^P - P^2n + P \quad \checkmark$$

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Date

No

سکلا عزیز دینا

$$P(g(n)) \leq P(f(n)) - 1 \quad \text{و } g(n) \leq \frac{P}{p} f(n) - V \quad \text{هر دو طرف} \quad \text{و}$$

$$f - g(n) \leq n + 0 \quad \rightarrow \quad f(n) - \frac{P}{p} f(n) + V \leq -\frac{1}{p} f(n) + V \leq f - g(n)$$

$$\rightarrow -\frac{1}{p} f(n) + V \leq n + 0$$

$$f(n) \leq Pn + P$$

$$g(n) \leq \frac{P}{p} (Pn + P) - V \rightarrow g(n) \leq Pn - 1 \quad \text{و } f - g(n) \leq P(Pn - 1) + P = 4n + P$$

$$f - g(n) \leq 0 \rightarrow 4n + P \leq 0 \rightarrow 4n \leq -P \rightarrow n \leq -\frac{P}{4}$$

$$\boxed{\alpha \leq -\frac{1}{p}}$$

$$f(p(n)) = 1 + p^n f(n), f(f(n)) = 1 + p^n f(n), f(n) \leq 1 + p^n \quad .9$$

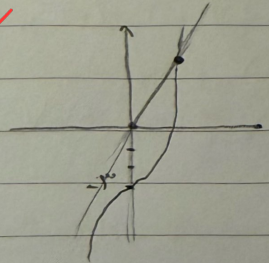
$$\left. \begin{array}{l} g(n) \leq n-1 \\ h(n) \leq n + p^{n-1} \end{array} \right\} h(g(n)) \leq h(n-1) \leq (n-1)^p + p(n-1) + 1 \leq (n-1)^p + p(n-1)$$

$$h(g(n)) \leq f(n) \leq n^p - p^{n-1} + p(n-1) + 1 \leq n^p$$

$$n^p + 0n - 1 \leq n^p - 1 \leq 0n \quad \checkmark$$

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مکمل وجود دارد



$$f(n) \leq n \rightarrow n - \frac{\varepsilon}{n} \leq n \rightarrow n^2 - \varepsilon \leq n^2 \rightarrow n^2 - n^2 \leq \varepsilon \quad .10$$

$$n \leq \frac{n + \sqrt{n+1}}{2} \rightarrow \varepsilon$$

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$$\text{if } n \geq 1 \rightarrow g(f(n)) \leq g(n) \leq a(n-1)^p + p(n-1) \leq a - p \rightarrow a - p \leq 1 \rightarrow a \leq 1 + p$$

$$g(f(n)) \leq g(n) \leq a(n)^p + p(n) \leq 1 \rightarrow 4a + 1 \leq 1 \rightarrow 4a \leq 0 \rightarrow a \leq 0 \quad \checkmark$$