

فصل سوره ناصیه اد ۳۲ قرآن است
چون تا به ۹ از هر عدد زوج تا عدد فرد بعدی است

$x = \frac{E}{2}$ 

(۱۲-) معادله حوالب معینتی $2x - \frac{3}{2} = 7 \Rightarrow x = \frac{17}{2}$

$$\frac{a}{n} : \text{حیث قائم}$$

$\frac{b}{c}$ - بجانب افتر

$$\frac{a}{\varepsilon} = -\frac{b}{\varepsilon} \rightarrow a = -b$$

$$f \circ f(a - \sqrt{4}) = a - \sqrt{4}$$

$$\leftarrow \text{Curl } f = f^{-1} \text{Curl } a = -b \text{ و } \bar{b}$$

$$f' = \left(\frac{(m+r)x - r}{x - m} \right) = \frac{-rx - r - m}{x - m} = f = \frac{mx + r}{x + m + r}$$

$$(-3x - (r+m))(x+m+r) = (mx+r)(x-m)$$

تا به هم در افق واردن خود را روی $y=x$ قطع میکنند.

$$\frac{m_n + \psi}{h + m + \psi} = \eta \rightarrow \cancel{h} + \cancel{m} + \psi = \cancel{m} + \psi \rightarrow \psi + \psi - \psi =$$

$$f_{cm} = \sqrt{(ra + \omega)^2} - \sqrt{(\omega - r)^2} = |ra + \omega| - |\omega - r|$$

$-\frac{2}{T}$ $\frac{1}{T}$ $- \psi \pi + v$

$$y = rx + v \rightarrow x = \frac{y}{r} + \frac{v}{r}$$

$$\rightarrow y = -\frac{x+2}{4}$$

$$D_{\mathbb{P}^1} \subset \mathbb{R}_{\mathbb{P}^1} = (-\infty, \frac{14}{5}]$$

$$g(n) = k \rightarrow k = rP(rn) - 1 \rightarrow \frac{k+1}{r} = P(rn)$$

$$\rightarrow f^{-1}\left(\frac{k+1}{r}\right) = \mu_n \rightarrow \left(\frac{1}{\mu} f^{-1}\left(\frac{k+1}{r}\right)\right) = g^{-1}(k) = n$$

$$a = 1/4 \quad b = 1 \quad c = 1 \quad d = 1$$

$$\frac{1}{\mu} = \frac{1}{\mu_0} + \frac{1}{\mu_1}$$

$$(\sqrt{x} + 1/r)^r - 1 \rightarrow x = (\sqrt{y} + 1)^r - 1 \rightarrow \sqrt{x+1} = (\sqrt{y} + 1)$$

$$\sqrt{y} = \sqrt{x+1} - 1 \rightarrow y = (\sqrt{x+1} - 1)^2 \rightarrow D_f^{-1} = [0, +\infty)$$

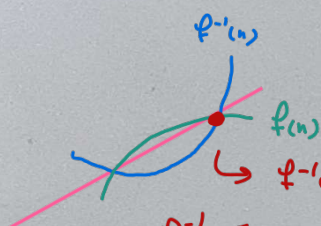
$$x - 1 + r^x = x$$

فرض کنیم $y = x$ و $y = x$ را در $y = x$ قرار دهیم

$$\rightarrow r^x - 1 = 0$$

$$\rightarrow x = 0 \quad (0, 0)$$

$f(n)$ و $f^{-1}(n)$ معادله f و f^{-1} هم دیگر را روی x و y قطع می کنند



$f^{-1}(n) \geq n \rightarrow f(n) \leq n$
جایگاه n در $f(n)$ بین نیاز است با $f^{-1}(n)$ نیاز است

$$\rightarrow n^2 + \varepsilon n \leq n \rightarrow n(n^2 + \varepsilon) \leq 0 \rightarrow n \leq 0$$

$$x = -y + \sqrt{y} + r$$

$$(x+y)^2 = (\sqrt{y} + \varepsilon)^2 \rightarrow x^2 + 2xy + y^2 = y + \varepsilon$$

$$\rightarrow x^2 + (2n-1)y + y^2 - \varepsilon = 0$$

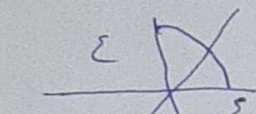
$$y^2 + (2n-1)y - \varepsilon + n^2 = 0$$

$$\Delta = \frac{(2n-1)^2 - 4(-\varepsilon + n^2)}{4} = \frac{\varepsilon^2 - \varepsilon n + 1 + 4y - \varepsilon n}{4} = \frac{\varepsilon^2 - \varepsilon n + 1 + 4y - \varepsilon n}{4}$$

$$y = \frac{-2n+1 \pm \sqrt{-4n+1}}{2}$$

$$y = \frac{-2n+1 \pm \sqrt{-4n+1}}{2} \quad M8$$

$$y = \frac{-2(n+\varepsilon) \pm \sqrt{-4(n+\varepsilon)+1}}{2} = n - \varepsilon$$



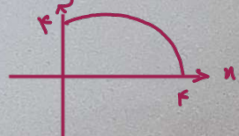
$$\sqrt{y} = -\sqrt{n} + r \quad y \geq 0$$

$$D_f = [0, \varepsilon) \quad I$$

$$R_f = [\varepsilon, \varepsilon] \quad II$$

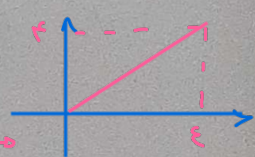
$$\sqrt{x} + \sqrt{y} = r \rightarrow f \circ f^{-1}(n)$$

$$\sqrt{n} \leq r \rightarrow n \leq \varepsilon, n \geq 0$$



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

جواب نهایی



$$f(n) \xrightarrow[\text{نقطة ثابت}]{\text{تكرار}} f^{-1}(n) \xrightarrow[\text{تكرار}]{\text{تكرار}} f^{-1}(n+1) \rightarrow g(n) = f^{-1}(n+1)$$

$$g(n) = n - c \rightarrow f^{-1}(n+1) = n - c \xrightarrow[\text{نقطة ثابت}]{\text{تكرار}} n+1 = f(n-c)$$

$$-n + 3 + \sqrt{n+1} = n+1 \rightarrow 2n+1 = \sqrt{n+1} \rightarrow \begin{cases} n \geq 0 \\ n \geq -\frac{1}{2} \end{cases} \checkmark$$

جواب: رادیکال منفی

$$\begin{aligned} \leftarrow \\ 4n^2 + 4n + 1 &= n+1 \\ 4n^2 + 4n &= 0 \end{aligned}$$