

一

$$y + b = 0 \Rightarrow b = -4$$

$$D = R$$

$$f(n) = \sqrt{n^N + Nn + N - n^N}$$

$$\frac{2}{1}$$

$$n^N + Nn + N - m^N \geq 0$$

ابتدا حد آخر و حداقل مقدار m را می بینیم

$$K - 1 + P_m^N \leq 0 \Rightarrow P_m^N \leq 1 - K$$

$$\Rightarrow m^N \leq 1 - K \Rightarrow -1 \leq m \leq 1$$

$$f(n) = \sqrt{p - n^p}$$

$$\Rightarrow \cancel{1} - n^p \geq 0 \Rightarrow n^p \leq 1 \quad | -(-1) = p$$

$g(m) = [m] + [-m] + 1$

$\frac{[m] + [-m] + 1}{\text{if } m \in \mathbb{Z} \quad g(m) = 0 + 1 = 1}$

$\frac{[m] + [-m] + 1 \neq 0}{\text{if } m \notin \mathbb{Z} \quad g(m) = -1 + 1 = 0}$

$\Rightarrow \pi_Q = \{-p_{q-1}, 0, p_q\}$

$$D = [-1^w, +\infty)$$

$$\Rightarrow n^p(n+p) \geq 0$$

$\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array}$

$$\therefore y = \sqrt{\frac{(n^N - 1)(n^{N-N} n^N)}{n^N - 1}} = \sqrt{\frac{(n-0)(n+1)(n^N)(n-w)}{(n-1)(n^N + n+1)}}$$

$$\frac{(n-1)(n+1)(n^N)(n-N)}{(n-1)(n^N+n+1)}$$

$$D := [-\infty, -1] \cup [1, +\infty) \cup \{0\}$$

الف $\sqrt{17-4}$

$$|n-\mu| \geq \mu \Rightarrow n-\mu \geq \mu \quad n \geq \omega$$

$$n-\mu \leq -\mu \quad n \leq -1$$

$$D = [-\infty, -1] \cup [0, +\infty)$$

$$b) \sqrt{P - |N - n|}$$

$$|N - \eta| = |\eta - N|$$

$$-4 \leq x \leq 4$$

$$|x - y| \leq M$$

$$= 2^{-N} (n-1) \leq 2^{-N} [N, 4]$$

$$الف) y = \sqrt{|-n|n|}$$

$$D_f = (-\infty, 1]$$

$$ب) \frac{1}{\sqrt{|n-1|} - 1}$$

$$\sqrt{|n-1|} \neq 1 \quad |n-1| \neq 1$$

$$1 - |n| > 0 \Rightarrow |n| < 1 \Rightarrow -1 < n < 1$$

$$الف) \frac{\sin^p n - 1}{\cos n}$$

$$\cos n \neq 0$$



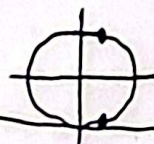
$$D = \mathbb{R} - \left\{ k\pi + \frac{\pi}{2} \right\}$$

- V

$$ب) \frac{\cos n}{p \cos n - 1}$$

$$p \cos n - 1 \neq 0$$

$$\cos n \neq \frac{1}{p}$$



$$D = \mathbb{R} - \left\{ k\pi + \frac{\pi}{p}, k\pi + \frac{2\pi}{p} \right\}$$

$$الف) y = \frac{n+p}{|p|n+1| - |n+p|}$$

$$D = \mathbb{R} - \left\{ p, -\frac{p}{p} \right\}$$

$$0 \neq |p|n+1| - |n+p|$$

$$ب) \sqrt{|p|n+1| - |n+p|}$$

$$D_f = (-\infty, \frac{p}{p}] \cup [\frac{p}{p}, \infty)$$

$$-1 < n < 1$$

$$f_n = \sqrt{\log_{\log} (\log_{\log} (p_{n-1}))}$$

$$p_{n-1} > 0 \Rightarrow n > \frac{1}{p}$$

$$\log_{\log} p_{n-1} > 0$$

$$\log_{\log} \log_{\log} (p_{n-1}) \geq 0$$

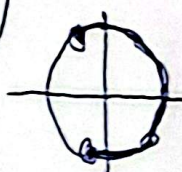
$$\Rightarrow p_{n-1} > 1 \quad n > 1$$

$$D = (1, p]$$

$$\log_{\log} p_{n-1} \leq 0$$

$$p_{n-1} \leq 0 \quad n \leq p$$

$$الف) y = \log (\cos n + 1)$$



$$\cos n + 1 > 0 \Rightarrow \cos n > -1$$

$$D = \left(k\pi - \frac{\pi}{2}, k\pi + \frac{\pi}{2} \right)$$

$$ب) y = \sqrt{\log \frac{n-1}{n+1}}$$

$$D = (-\infty, -1)$$

$$\log \frac{n-1}{n+1} \geq 0$$

$$\frac{n-1}{n+1} \geq 1$$

$$\frac{n-1}{n+1} \geq 1 \Rightarrow \frac{n-1-n-1}{n+1} \geq 0 \Rightarrow \frac{-2}{n+1} \geq 0$$