

4 - int.

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A

$$D_f: \sqrt{(a-r)/n^r + an + b} = [r, +\infty) \Rightarrow (n-r)^r \geq 0 \Rightarrow n^r - rn + r = (a-r)n^r + an + b$$

$$r_m + b \geq \dots \Rightarrow r_m - q \geq 0 \quad \overset{!}{\hookrightarrow} \boxed{m \geq \mu} \quad a - r = 0 \Rightarrow \text{Spur}$$

$$b = -4$$

$$\underbrace{a^2 + b^2 + c^2}_{\Delta < 0}$$

برای اینکه دامنه R باشد نباید $\frac{1}{2}$ داشته باشد ΔC_0

$$\Rightarrow \Delta \cdot b^r - fac \Rightarrow f - f(1)(+r-m^r) \Rightarrow f - (1+m^r) = f - 1 + m^r \Rightarrow -f + m^r \Rightarrow$$

$$m^r - r < 0 \Rightarrow m^r < r \Rightarrow r < m \quad \text{dann} \quad m - \min_m = \boxed{0}$$

$$f(m) = \frac{\sqrt{\epsilon - n^2}}{[n] + [-n] + 1} \Rightarrow \sqrt{\epsilon - n^2} \Rightarrow \epsilon - n^2 \geq 0 \Rightarrow n^2 \leq \epsilon \Rightarrow -\sqrt{\epsilon} \leq n \leq \sqrt{\epsilon} \Rightarrow [-\sqrt{\epsilon}, \sqrt{\epsilon}] \text{ (I)}$$

$$\{n\} + [-n] + 1 \neq 0 \Rightarrow [n] + [-n] \neq -1 \Rightarrow \textcircled{Z} \textcircled{II}$$

$$ii) \sqrt{n^w - n^r} \Rightarrow n^w - n^r \geq 0 \Rightarrow n^r (n - n^w) \geq 0 \quad \frac{n^w}{-p - p_+} \quad [w, +\infty) \cap \{0\}$$

$$y) \quad \sqrt{\frac{x^2(x-1)}{(x-1)(x^2-x^2)}} \cdot \frac{x^2(x-1)}{x^2-1} \Rightarrow (-\infty, -1] \cap \{0\} \cap [x^2, +\infty)$$

$$\text{ii) } y \sqrt{|n-r|-r} \Rightarrow |n-r|-r \geq 0 \Rightarrow |n-r| \geq r \Rightarrow \begin{matrix} n-r \geq r & \Rightarrow & n \geq w \\ n-r \leq -r & \Rightarrow & n \leq -1 \end{matrix} \Rightarrow (-\infty, -1] \cup [w, +\infty)$$

