

$$-1 \cdot \frac{1}{n} \cdot f(n) \Rightarrow \frac{1}{n} \cdot 0 = 0 \Rightarrow \underbrace{x^7 + 1 + 12x + 9x^2 + 1 - 4x + 11x^3 + nx^4 + nx + 11n}_{1 - 4x^2 \Rightarrow m = -1} \Rightarrow g(n) = 1 \Rightarrow \text{بنا بر دو جمله اول و سوم و پنجم}$$

$$\Rightarrow \begin{array}{l} m = p + 1 \\ -1 = p + 1 \\ p = -11 \end{array} \quad \begin{array}{l} -1 = p + k \\ -1 = -11 + k \\ k = 10 \end{array} \quad \Rightarrow m + h + p + k = -1 + 1 + (-11) + 10 = -1 \quad \text{--- (V)}$$

$\Rightarrow \sqrt{\frac{n-r}{n^2 - 1}} \Rightarrow n-r > 0 \Rightarrow n > r$
 $\Rightarrow \text{cho } \begin{matrix} m^r = t \\ t^r - r t - 1 \end{matrix} \Rightarrow (t-r)(t+r) \Rightarrow t=r \vee \Rightarrow n^r = r^r \Rightarrow n = \pm r$
 $\Rightarrow \text{cho } \begin{matrix} -r \\ -1 \end{matrix} \Rightarrow n > -r - \{r\} \Rightarrow D_f = (-r, +\infty) - \{r\}$

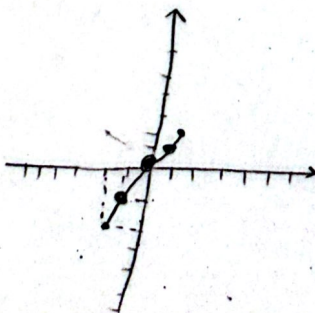
ب) $P \cdot P[-u] \neq 0 \Rightarrow P \neq P[-u] \Rightarrow P \neq [-u] \Rightarrow u \neq [P, -1] \Rightarrow D = R \cdot [P, 1]$

الف) $\frac{\sqrt{x(x^2-1)}}{\sqrt{|x|+x}} \rightarrow \begin{cases} \text{لـ} \Rightarrow -\frac{1}{1+1-p} \Rightarrow [-1, 0] \cup [1, +\infty) \\ \text{لـ} \Rightarrow |x|+x > 0 \Rightarrow x > 0 \end{cases} \quad \text{①} \wedge \text{②} \Rightarrow D = [1, +\infty)$

$$\text{ب) } \frac{\sqrt{|n-1|-u^2}}{|n|-1} \Rightarrow |n-1|-u^2 \geq 0 \Rightarrow |n-1| \geq u^2 \Rightarrow -\sqrt{|n-1|} \leq u \leq \sqrt{|n-1|}$$

[illegible]

$$\begin{aligned} x \in (-1, 1) &\Rightarrow y \in (-1, 1) \\ x \in [-1, 0] &\Rightarrow y \in [-1, 0] \\ x \in (0, 1) &\Rightarrow y \in (0, 1) \\ x \in [1, 2] &\Rightarrow y \in [1, 2] \\ x = 2 &\Rightarrow y = 2 \end{aligned}$$



$f(n) = n \Rightarrow \frac{n^2 - rn + r}{n+a} + b = n \Rightarrow \underbrace{n^2 - rn + r}_{(n-1)(n-1)} = (n+a)(n-b)$
 $a = -1 \quad b = r$
 $a = -r \quad b = 1 \rightarrow$

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 $\{ -1, -2, -4 \}$

$$x = r \Rightarrow \frac{(r)^r + r(r)^r - r - r}{r^r} = r \Rightarrow \underbrace{g(r)}_r = r + c \Rightarrow c = r$$

$$a = 1 \Rightarrow \frac{a+r}{1+b} = r \Rightarrow r+r b = a+r$$

$$r b - a = -1$$

$$n = -1 \Rightarrow \frac{-a + p}{b - 1} = 1 \Rightarrow p - a = b - 1 \Rightarrow b + a = p \quad \left(\frac{b + a = p}{p - b = p - (b - 1)} \right)$$

$$p_{f \times g} \Rightarrow p_f \cap p_g \Rightarrow p_g \Rightarrow r_m + r_g \Rightarrow p_f \Rightarrow m + h = \sqrt{4 + 4\sqrt{p}}$$

$$m+h = \boxed{v+4\sqrt{2}}$$

$$r_n \geq -r$$

$$u \geq -1$$

$$m \geq n \Rightarrow m = V \Rightarrow f(m) = \sqrt{V - n}$$

$$f - g(r) = 4\sqrt{r} \Rightarrow f = 4\sqrt{r} + r \Rightarrow \sqrt{4 - r^2} + n = r + 4\sqrt{r} \Rightarrow n = 2\sqrt{r}$$

$$y = \frac{1}{1} \quad (n - [n]) = \frac{1}{1}$$

