

$f(m) = m^2 + 1 + 2m + 9m^2 + 1 - 4m + mm^2 + nm + mn \Rightarrow g(n) = 10n \Rightarrow$
 $10n = 0 \Rightarrow n = 0$
 $1 - 4m \Rightarrow m = -1$
 $m = -1$
 $-1 = p + k$
 $-1 = -1 + k \Rightarrow k = 0$
 $m + h + p + k = -1 + 1 + (-1) + 1 = 0$

$m = -1$
 $-1 = p + k$
 $-1 = -1 + k \Rightarrow k = 0$
 $m + h + p + k = -1 + 1 + (-1) + 1 = 0$

$\sqrt{\frac{m-2}{m^2-1}} \Rightarrow m-2 > 0 \Rightarrow m > 2$
 $m^2 = t \Rightarrow t^2 - 2t - 1 \Rightarrow (t-1)(t+1) \Rightarrow t = 1 \vee t = -1$
 $t = 1 \Rightarrow m = 1$
 $t = -1 \Rightarrow m = -1$
 $m > 2 \Rightarrow D_f = (-2, +\infty) - \{2\}$

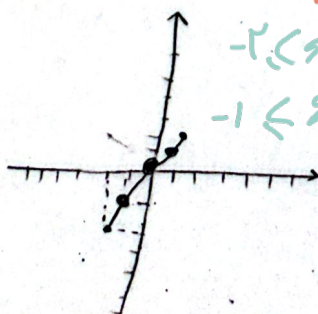
$f(-x) \neq 0 \Rightarrow f \neq 2[-x] \Rightarrow f \neq [-x] \Rightarrow x \neq [2, -1) \Rightarrow D = R - [-2, +1)$

$\sqrt{m(m^2-1)} \Rightarrow m \geq 0 \Rightarrow \frac{1}{m} \geq 0 \Rightarrow \frac{1}{m} \geq 0 \Rightarrow [1, +\infty) \cup [1, +\infty)$
 $\sqrt{m+1} \Rightarrow m+1 > 0 \Rightarrow m > -1$

$\sqrt{m-2} - m^2 \Rightarrow m-2 > 0 \Rightarrow m > 2$
 $|m-2| - 1 \Rightarrow m \neq 1, -1$
 $D_f = [-2, +1) - \{-1\}$

$|m-2| - 1 - k \neq 0 \Rightarrow |m-2| - 1 \neq k \Rightarrow |m-2| \neq k+1$
 $k > 0$
 $|m-2| - 1 \neq -k$
 $|m-2| \neq -k+1$
 $m-2 \neq -k+1$
 $m-2 \neq -k-1$
 $m \neq 1-k$
 $m \neq 1+k$
 $m \neq 1-k$
 $m \neq 1+k$

$x \in (-2, +1) \Rightarrow y \in (-1, 1)$
 $x \in (-1, 0) \Rightarrow y \in (-1, 0)$
 $x \in (0, 1) \Rightarrow y \in (0, 1)$
 $x \in (1, 2) \Rightarrow y \in (1, 2)$
 $x = 2 \Rightarrow y = 2$



$-2 < x < -1 \rightarrow y = 2x + 2$
 $-1 \leq x < 0 \rightarrow y = 2x + 1$
 $x \geq 0 \rightarrow y = 2x$

$$f(n) = n \Rightarrow \frac{n^2 - 5n + 3}{n+a} + b = n \Rightarrow n^2 - 5n + 3 = (n+a)(n-b)$$

$(n-1)(n-1)$
 $\begin{matrix} a=-1 & b=1 \\ a=-1 & b=1 \end{matrix}$

$\{ -1, -1, -1 \}$
 $\alpha = -1$

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$$n = r \Rightarrow \frac{(r)^r + r(r)^r - r - r}{r^r} = r \Rightarrow g(r) = r + c \Rightarrow c = r$$

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

$$rb - a = -1$$

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

$\Rightarrow \begin{cases} rb - a = -1 \\ b + a = r \end{cases} \Rightarrow \begin{cases} rb - a = -1 \\ b + a = r \end{cases} \Rightarrow \begin{cases} rb - a = -1 \\ b + a = r \end{cases} \Rightarrow \begin{cases} rb - a = -1 \\ b + a = r \end{cases}$

$b = r$

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$$p_{f \times g} \Rightarrow p_f \cap p_g \Rightarrow p_g \Rightarrow m + r \Rightarrow p_f \Rightarrow m - n \Rightarrow m \geq n \Rightarrow m = n \Rightarrow f(n) = \sqrt{v - n}$$

$m + n = \sqrt{v + 4\sqrt{v}}$

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

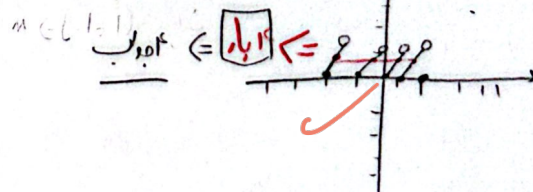
$r + n - 4\sqrt{r} = 4\sqrt{r} \Rightarrow n = 8\sqrt{r}$

$n + m = 0 + 4\sqrt{r}$

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



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