

$$f(n), \frac{a^r}{r} + r(n+1) + \frac{9a^r}{r} + 1 + 9n + \frac{ma^r}{r} + n^2 + mn \leq 1 \cdot a^r + ma^r - f(n) + n^2 + mn$$

$m \leq 1, \quad n \leq f$

$$f(x) = -x.$$

$$\{(f, -1), (f, p+1), (p+r, -1), (\underline{p}, p+k)\}$$

Ps-11

$$-11 + 11s - 1s \mid 11s \mid$$

-v

انذ) $\sqrt{\frac{x-2}{(x^2-6)(x^2-2)}} = \sqrt{\frac{x-2}{(x-2)(x+2)(x+\sqrt{2})(x-\sqrt{2})}}$

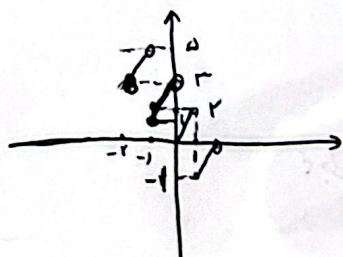
$$\begin{array}{c|c|c|c|c} -r & -\sqrt{r} & \sqrt{r} & r & \\ \hline - & + & - & + & + \\ \hline \frac{0}{0} & \frac{0}{0} & \frac{0}{0} & \frac{0}{0} & \frac{0}{0} \end{array} \quad D = (-r, -\sqrt{r}) \cup (\sqrt{r}, r) \cup (r, \infty)$$

✓) $[-n] \neq r \Rightarrow n \neq [-r, -r) \cap_{f \in R} (-r, -r)$

۱) $\left. \begin{array}{l} \text{a) } (x-1) > 0 \Rightarrow \underbrace{\frac{-1}{-1+}}_{\text{a) } x > 0} \underbrace{\frac{-1}{-1+}}_{\text{b) } x > 1} \end{array} \right\} \cap \Rightarrow [1, \infty)$

$\sqrt{|a-r|-a^r} \Rightarrow |a-r|-a^r \geq 0 \quad |a-r| \geq a^r$
 $a \neq 1, -1 \quad \left. \begin{array}{l} a-r \geq a^r \Rightarrow \geq a^r - a + r \\ a-r \leq -a^r \Rightarrow \leq -a^r - a + r \end{array} \right\} \rightarrow [-r, 1)$
 $\Rightarrow \bigcup_{a \neq 1, -1} [-r, 1) \cup (-1, 1)$

$||a-r|-1| = k \quad \text{---} \quad |a-r|-1 = k \quad \text{---} \quad |a-r| = k+1$
 $|a-r| > 1 \quad |a-r| - 1 = k \quad \text{---} \quad |a-r| = k+1 \quad \text{---} \quad \text{I}$
 $|a-r| < 1 \quad -|a-r| + 1 = k \quad \text{---} \quad |a-r| = 1-k \quad \text{---} \quad \text{II}$



$$\begin{aligned} a \in [0, 1) &\Rightarrow Y_n \\ a \in [1, 2) &\Rightarrow Y_n - 1 = a_n \\ a \in [-1, 0) &\Rightarrow Y_{n+1} \\ a \in [2, 3) &\Rightarrow Y_n + 1 \\ a \in [3, 4) &\Rightarrow \end{aligned}$$

$$\frac{(n-r)(n-1)}{n+a} + b \leq n \Rightarrow \begin{matrix} a \leq -r, b \leq 1 \\ a \leq -1, b \leq 1 \end{matrix} \quad \begin{matrix} -r-1 \leq -f \\ -1-1 \leq -r \end{matrix} \quad \{-f, -r\}$$

$$\frac{a^r + r a^r - a - r \frac{a^r - 1}{a+r}}{a^r - a} \quad C \leq r$$

$$\frac{a n + r}{n+b} \leq a n + r$$

$$a n + r \leq a^r + (r+b) a_n + r b$$

$$r \sqrt{f-ra} + rk - r - \sqrt{b-f} + rk \leq h \quad \text{map}$$

$$r \sqrt{f-ra} - \sqrt{b-f} + rk - r \geq h$$

$$\sqrt{1s-1ra} - \sqrt{b-f} \geq r-fh$$

$$1s-1ra + b-f - r \sqrt{(b-f)(1s-1ra)} \geq f+1sk^r-1sh$$

$$m \leq v$$

$$\sqrt{v-n} + n - \sqrt{r n + r} \Rightarrow r+n - r\sqrt{r} \geq \sqrt{r}$$

$$n \geq \sqrt{r-r} \Rightarrow \boxed{a + \sqrt{r}}$$