

(ص ٥٥، ٥٦) الف

$y = 1 \cdot f + \sin$
 $y = 1 \cdot f + \sin \Rightarrow \cancel{y = 1 \cdot f + \sin} \Rightarrow \cancel{y = 1 \cdot f + \sin}$
 $\hookrightarrow \omega = -1 \rightarrow y = 1 \cdot r \Rightarrow [1, 0]$
 $\omega = +1 \rightarrow y = 1 \cdot 0$

$\begin{array}{c} -x^2 \quad -x \quad x \quad x \\ + \quad - \quad + \quad - \quad + \end{array}$

$$\frac{a^r - \varepsilon}{a^r - q} \Rightarrow \Rightarrow \frac{ay - \varepsilon}{y - 1} \Rightarrow \frac{a^r - \varepsilon}{a - 1} \cdot y^r$$

$$\frac{a_{m-1}}{n-1} \rightarrow D_1, D_n, P(\xi) \quad IR = \{1\}$$

• $\Rightarrow [0, 1) \cup (1, \infty)$

الف $\omega + \frac{1}{\omega} \cdot t \Rightarrow R_t = \begin{cases} (-\infty, -r] \cup [r, \infty) \end{cases}$ $\xrightarrow{r=1} R_t = [r, \infty)$

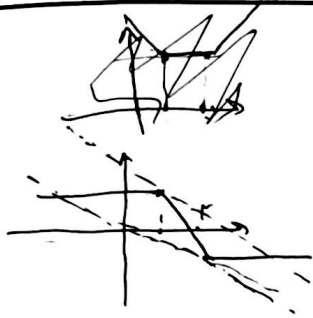
$$t \rightarrow \sqrt{t} \Rightarrow R \in [t, \sqrt{t}, +\infty)$$

$$\begin{aligned} L \sim 5.0 &\rightarrow 2 \text{ B} \\ L \sim 5.1 &\rightarrow \epsilon \\ L \sim 5.1 &\rightarrow 0 \end{aligned} \quad R_F[0, \epsilon]$$

$251 \rightarrow 9, 6$
 $252 \rightarrow 9, 7$
 $253 \rightarrow 9, 8$
 $254 \rightarrow 9, 9$
 $255 \rightarrow 10, 0$
 $256 \rightarrow 10, 1$
 $257 \rightarrow 10, 2$
 $258 \rightarrow 10, 3$
 $259 \rightarrow 10, 4$

$\pi \in 10 \rightarrow 19 \rightarrow V \leq 8 \pi + 14 \sqrt{10}$

$a=0, b=1, c=1 \Rightarrow f(r) = \sqrt{r^2 + 1}$
 $f(r) = \sqrt{r^2 + 1} \Rightarrow [1, \infty)$

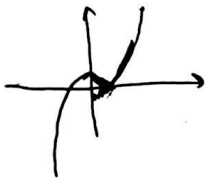
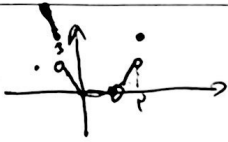


$$\text{for } f(n) \leq n \Rightarrow f(1) = 1$$

$$f(n) \leq n \Rightarrow f(r) < -1 \Rightarrow \emptyset$$

$$f(n) \leq n \Rightarrow f(r) = -1 \Rightarrow \boxed{h = \frac{1}{r}}$$

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$$\begin{aligned} &g_k = n \\ &\frac{+1}{r} \leq \frac{1}{r} \\ &-r = n \end{aligned}$$

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$$\frac{n+1+n+1}{n^2+n} = \frac{r_n+r}{n^2+n} \Rightarrow \frac{r(n+1)}{n(n+1)} = \frac{r}{n} = y \Rightarrow \mathbb{R} - \{0, \frac{1}{2}\}$$

$$\Rightarrow \boxed{-r}$$

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$$\frac{(\sqrt{n}-n)(\sqrt{n}-1)}{(\sqrt{n}-1)} \Rightarrow \sqrt{n}-n=y \Rightarrow \sqrt{n}=y+r \Rightarrow n=(y+r)^2$$

$$\Rightarrow \boxed{\mathbb{R} \rightarrow \mathbb{R} - \{-r\}}$$

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$$\begin{aligned} &n^2 + rn^2 - n - r \mid \frac{n^2-1}{n+r} \\ &\frac{n^2 - n}{r n^2 - r} \end{aligned}$$

$$n \neq \{1, -1\} \Rightarrow y, n+r \Rightarrow n = y+r \Rightarrow y = \frac{1}{r}$$

$$R_f = \mathbb{R} - \{1, -1\}$$

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