

مثال بقدر = ب

$$2 \cos y = 9 \cos x$$

$$\frac{x = \frac{\pi}{2}}{\frac{\pi}{2} \rightarrow \frac{\pi}{2} \cdot \sin y = y \times 0}$$

$$= \Delta y \in \left\{ kn + \frac{7}{5} \right\}$$

X کانیت

2

حریک نفس عادت

$$b, a \leq L_{\Omega}$$

3

جودك حسن غلاب

$$+ \begin{array}{r} 1 \\ 45 \\ \hline \end{array}$$

$$\rightarrow a(x-1)^2$$

$$x = y \rightarrow r_a + r_b + c = 0$$

$$n=0 \rightarrow C = \epsilon_a$$

$$n \rightarrow \sqrt{C} \rightarrow C$$

$+P_b = 0$
 $Y_C = P_b$
 $C = -b$

$$\begin{array}{l} C = -a \\ \downarrow \\ C = -b \\ \downarrow \\ C > 0 \\ b < 0 \end{array}$$

$$g, s \neq 0 \rightarrow |n| - [n] \neq 0$$

$$D = \{x \in \mathbb{R}^+ \cup$$

$$P = \{x \in \mathbb{R}^- \cup \{\infty^+, \infty^-\}\}$$

$x \geq 0$

$$\sqrt{y} = -\sqrt{x} + 9$$

$$-\sqrt{n+9} \geq 0$$

$$\text{الف) } f(n) = \sqrt{\log_n^{r_n-1}}$$

$$D_f = \left[\frac{r}{r-1}, +\infty \right) - \{1\}$$

$$n \neq 1$$

$$n > 0$$

$$r_n - 1 > 0 \rightarrow r_n > 1$$

$$n > \frac{1}{r}$$

$$\log_n^{r_n-1} \geq 0$$

$$r_n - 1 \geq 1$$

$$r_n \geq 2 \Rightarrow n \geq \frac{r}{r-1}$$

$$\rightarrow f(n) = \log \frac{1}{r + \sqrt{|n|} - |n|}$$

$$2 \neq 0$$

$$r + \sqrt{|n|} - |n| \neq 0 \rightarrow \sqrt{|n|} = t$$

$$-t^2 + t + r \neq 0$$

$$\Delta = 1 - 4r \neq 0$$

$$r \neq \frac{1}{4}$$

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$$\sqrt{\frac{r_n + r}{n + b} + \alpha}$$

$$n + b = 0 \rightarrow n = -b$$

$$b = -r$$

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$$\sqrt{f(n) - n + 1} \rightarrow f(n) - n + 1 \geq 0$$

$$f(n) = \begin{cases} r_n - 1, & [n] > \varepsilon \rightarrow n > \frac{r}{r-1} \\ r_n + r, & [n] \leq \varepsilon \rightarrow n \leq \frac{r}{r-1} \end{cases}$$

$$g(n) = y = \sqrt{f(n) - n + 1}$$

$$f(n) = \begin{cases} r_n - 1, & n \geq \omega \\ r_n + r, & n < \omega \end{cases}$$

$$g(n) = \begin{cases} \sqrt{n}, & n \geq \omega \\ \sqrt{r_n + r}, & n < \omega \end{cases}$$

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$$r_n + r_n + 1 \neq 0 \xrightarrow{\frac{-b \pm \sqrt{\Delta}}{2a}} \frac{-r \pm \sqrt{r^2 - 4r}}{2} = -\frac{1}{r} \quad r \neq -\frac{1}{r}$$

$$y = \frac{r(r_n + r) + r(r_n + r) + 1(r_n + r)}{(r_n + r_n + 1)^r} \rightarrow \frac{r(r_n + r) + r(r_n + r) + 1(r_n + r)}{(r_n + r_n + 1)^r} = \frac{r(r_n + r)}{((r_n + r))^r} \Rightarrow \frac{r}{r_n + 1}$$

$$D = \mathbb{R} - \left\{ -\frac{1}{r} \right\}$$

$$y = \sqrt{1 - \log(r_n - a)}$$

$$\log_{1/r}^{r_n - a} \leq 1 \Rightarrow r_n - a \leq 1 \Rightarrow n \leq \frac{1 + a}{r}$$

$$r_n - a > 0 \Rightarrow r_n > a \Rightarrow n > \frac{a}{r}$$

$$C - b = \frac{1 + a}{r} - \frac{a}{r} = \frac{1}{r} \quad \text{C.D.}$$

$$\Rightarrow \left(\frac{a}{r}, \frac{1 + a}{r} \right]$$

1.