

سوال ۱۱۱۱۱۱

$$f) \frac{|n|+1}{|n|-r} \ln_2 t \quad y(b-r)=b+1 \rightarrow t(y-1)=ry+1 \quad t \rightarrow \frac{ry+1}{y-1} \quad y+1 \quad \frac{ry+1}{y-1} \geq 0 \quad (1)$$

$(-\infty, -\frac{1}{r}] \cup (1, \infty)$

$$g) \frac{n^r+1}{|n|} \quad \frac{n^r+1}{n} \cdot n + \frac{1}{n} \quad (-\infty, r] \cup (r, \infty) \xrightarrow{\text{نقطه}} [r, \infty)$$

$$y = \frac{n^r + rn - r - 1}{n - r} = \frac{(n+r)(n-1)+1}{n-r} \rightarrow n + \frac{1}{n-r} \cdot y \quad t + \frac{1}{t-d} \cdot y \quad (-\infty, r] \cup (r, \infty) \quad (2)$$

$-r-d \quad +r-d$

$$y = \frac{n^r - n + \frac{1}{d} + \frac{r}{d}}{n^r - n + 1} = \frac{(n^r - n + 1) + \frac{r}{d}}{n^r - n + 1} = 1 + \frac{r}{d(n^r - n + 1)}$$

$\frac{r}{d} \rightarrow 1-1=0$
 $\frac{r}{d} \rightarrow 1-\frac{1}{\infty} \approx 1$

$0 < \Delta \leq \frac{r}{d} \in \mathbb{R} \quad (3)$
 $R_2[0, 1]$

$$y = \sqrt{-n^r + d(n-1)} \quad n_5 = \frac{-d}{-r} \geq r \quad y_5 = \frac{-d}{-r} + 1 = r \quad (-\infty, r] \cup (r, \infty) \rightarrow [r, \infty) \quad (4)$$

$$y = \sqrt{r n^r - \Lambda n} \quad n_5 = \frac{\Lambda}{d} \geq r \quad y_5 = \Lambda - 1, r = \Lambda \quad [r, \infty)$$

$$\log(n^r - n + 1) = \log(0, \infty) = \mathbb{R} \quad (5)$$

$$\log\left(\frac{n^r+1}{n}\right) = n + \frac{1}{n} \geq 0 \rightarrow \log(r, \infty) \quad [1, \infty)$$

$$y = |rn - r| = |n - r| \quad 1, r \quad \begin{matrix} 1 \rightarrow -r \\ r \rightarrow r \\ r \rightarrow r-1 \\ 0 \rightarrow -1 \\ -1 \rightarrow -r \end{matrix} \quad \begin{matrix} \uparrow \\ \downarrow \\ \uparrow \\ \downarrow \\ \uparrow \end{matrix} \quad \begin{matrix} 1 \\ r \\ r-1 \\ 0 \\ -1 \end{matrix} \quad (-r, \infty) \quad (6)$$

s.a.m

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$$\sqrt{1,50}$$