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جیٹا سلا

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 $\begin{array}{c} | \\ \hline - \quad 0 \quad + \end{array}$

$$a - r = 0 \Rightarrow a = r$$

$$\begin{aligned} (a-r)n^r + \dots + b &= r n + b \\ n=r &\rightarrow 4 + b = 0 \Rightarrow b = -4 \end{aligned}$$

$$p_{\text{eff}} = \sqrt{m^2 + k^2 m + k^2 - m^2} \leadsto D_F = IR \Rightarrow \overset{b^* - k_{AC}}{\Delta} < 0 \rightarrow k - k^*(1 - m^2) < 0$$

$$K_{-1} + Km^p < 0 \Rightarrow m^p < 1 \Rightarrow -1 < m < 1$$

$$1 - (-1) = 2 \quad \leftarrow$$

$$I) \quad r - n^p \geq 0 \rightarrow -r \leq n \leq r \leadsto [-r, r]$$

II) $[n] + [-n] \neq -1 \Rightarrow n \notin \mathbb{Z} \Rightarrow n \in \mathbb{Z}$

$\hookrightarrow \notin \mathbb{Z} \Rightarrow = -1$

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$$\{ \rightarrow I A II = \{ b_1 - b_0, b_1 \} \quad (K)$$

(iii) $x^v + \mu x^r \geq 0 \Rightarrow x^r (x + \underbrace{\mu}_{-\mu}) \geq 0$

$\frac{-1 \pm \sqrt{1 - 4(-1)(-1)}}{2(-1)}$

$$c) \quad \begin{matrix} 0 & 1 & -1 & 1 \\ \nwarrow & \uparrow & \uparrow & \uparrow \\ n & (n-1) & (n+1) & (n-1) \end{matrix}$$

$$(n-1)(n^2+n+1)$$

$\begin{array}{cccc} * & & * & \\ 0 & -1 & 1 & 10 \end{array}$

$$f \rightarrow D = [-1, \infty) \quad (1)$$

$$D = (-\infty, -1] \cup [1, +\infty)$$

(الف) $|n-2| \geq 4 \rightarrow n-2 \geq 4 \leadsto n \geq 6$

$$\rightarrow n-1 \leq -1 \Rightarrow n \leq -1$$

$$\{ \rightarrow D = (-\infty, -1] \cup [a, +\infty) \quad (a)$$

c) $K \geq |P - m| \leadsto -K \leq P - m \leq K \leadsto -4 \leq -m \leq 4 \leadsto 4 \geq m \geq -4$

$$D_f = [-194]$$

(الف) $1 \geq n/|n| \rightarrow 0 \checkmark \quad 1 \checkmark \quad -1 \checkmark \quad -\infty \checkmark$

$D_f = (-\infty, \infty)$

④

I) $\psi - |n - \omega| \geq 0 \rightarrow \psi \geq |n - \omega| \rightarrow -\psi \leq n - \omega \leq \psi \rightarrow +\psi \leq n \leq \psi + \omega$

c) II) $\sqrt{v-1m-\delta} \neq 1 \Rightarrow v-1m-\delta \neq 1 \Rightarrow v \neq 1m-\delta$ $m-\delta =$

$$\text{II)} \quad \sqrt{v-1-m-\delta} \neq 1 \leadsto v-1-m-\delta \neq 1 \leadsto v \neq |m-\delta| \leadsto m-\delta = v \leadsto m = v$$

$$\frac{I \wedge II}{\rightarrow} D_f = [+r_3 \wedge] - \lambda r_3 \vee f$$

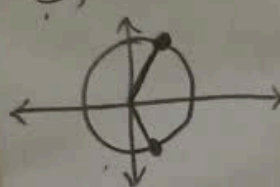
$$n - 0 = -1 \rightarrow n = 10$$

الف) $\cos \alpha \neq 0$

$$\Rightarrow D_F = 1R - \{ KX + \frac{X}{P} \}$$

⑤

ج) $\sqrt{\cos m - 1} \neq 0 \Rightarrow \cos m \neq \frac{1}{p}$ $\Rightarrow D_f = \mathbb{R} - \left\{ \sqrt{p} \pi - \frac{\pi}{\sqrt{p}}, \sqrt{p} \pi + \frac{\pi}{\sqrt{p}} \right\}$



الف) $|pm+1| \neq |m+p| \xrightarrow{\text{بترتيب}} pm^2 + \varepsilon m + 1 \neq m^2 + 4m + 9$
 $pm^2 - pm - 8 \neq 0 \Rightarrow m^2 - pm - p\varepsilon \neq 0$
 $(m-4)(m+p) \neq 0 \Rightarrow \mathbb{R} - \left\{ \frac{p}{4}, -p \right\} = D_f$

ج) $|pm+1| - |m+p| \geq 0$

$pm^2 + \varepsilon m + 1 \geq m^2 + 4m + 9$

$pm^2 - pm - 8 \geq 0 \Rightarrow \frac{p}{+1-1+} \Rightarrow D_f = (-\infty, -\frac{p}{\varepsilon}] \cup [p, +\infty)$

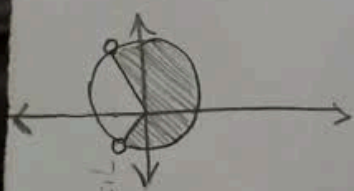
I) $pm-1 > 0 \Rightarrow m > \frac{1}{p}$

II) $\log_{\omega}^{pm-1} > 0 \Rightarrow pm-1 > 1 \Rightarrow m > 1$

III) $\log_{\log_{\omega}}^{pm-1} \geq 0 \Rightarrow \log_{\omega}^{pm-1} \leq 1 \Rightarrow pm-1 \leq \omega \Rightarrow pm \leq 4 \Rightarrow m \leq \frac{4}{p}$

$I \cap II \cap III \Rightarrow D_f = (1, \frac{4}{p}]$

الف) $\sqrt{\cos m + 1} > 0 \Rightarrow \cos m > -\frac{1}{p}$



$\Rightarrow D_f = \left(\sqrt{p} \pi - \frac{\pi}{\sqrt{p}}, \sqrt{p} \pi + \frac{\pi}{\sqrt{p}} \right)$

ج) I) $\frac{m-1}{m+1} > 0 \Rightarrow \frac{-1}{+1-1+} \Rightarrow (-\infty, -1) \cup (1, +\infty)$

II) $\log \frac{m-1}{m+1} \geq 0 \Rightarrow \frac{m-1}{m+1} \geq 1 \Rightarrow \frac{m-1}{m+1} - 1 \geq 0 \Rightarrow \frac{m-1-m-1}{m+1} \geq 0$

$\frac{-p}{m+1} \geq 0 \Rightarrow \frac{-1}{+1-1+} \Rightarrow (-\infty, -1)$

$I \cap II \Rightarrow D_f = (-\infty, -1)$