

پروژه مدیریت منابع انسانی

$$x_{n-1} > 0 \quad \log_{\omega}(x_{n-1}) > 0 \quad x_{n-1} > 1$$

$$n > \frac{1}{2}$$

$$\log_{\omega} x_{n-1} \geq 0 \Rightarrow n > 1$$

$$\log_{\omega} x_{n-1} > \left(\frac{1}{2}\right)^n$$

$$\log_{\omega} x_{n-1} \leq 1 \quad x_{n-1} \leq \omega \quad n \leq \mu$$

$$D_F = [1, \mu]$$

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الف) $r \cos n + 1 > 0$ $\cos n > -\frac{1}{r}$ (10)

$D_f = (r\pi - \frac{r\pi}{r}, r\pi + \frac{r\pi}{r})$

ب) $\frac{n-1}{n+1} > 0$

$\frac{-1}{+} \quad \frac{1}{+}$

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

آزمون اشراف - در دنباله $\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}, -\frac{1}{2}, \dots$ تکلیف است و خط

① $\frac{r}{-1} + a = r \rightarrow r + b \geq 0 \xrightarrow{x=r} r + b = 0 \quad b = -r$ ①

② $\Delta \leq 0 \quad r^2 - 4 \times 1 \times (r - m^2) \leq 0 \quad 1 - r + m^2 \leq 0$ ②
 $m_{\min} = -1 \quad m_{\max} = +1 \quad m_{\max} = r \quad m^2 - 1 \leq 0$

③ $f - x^2 \geq 0 \quad x = -2, -1, 0, 1, 2$ ③
 $x^2 \geq x \geq -2$

برای اعداد صحیح و شصت

④ الف) $\sqrt{x^2 (x+1)}$ ④
 $\frac{-2}{-1} + \frac{0}{0} + \frac{+}{+} \rightarrow D_F = [-2, +\infty)$

ب) $\sqrt{\frac{(n-1)(n+1)(n-2)(n^2)}{(n-1)(n^2+n+1)}}$ ④
 $D_F = (-\infty, -1] \cup [2, +\infty) \cup \{2\}$

⑤ الف) $|n-2| - 3 \geq 0 \quad x \leq -1 \text{ یا } x \geq 5 \quad D_F = (-\infty, -1] \cup [5, +\infty)$ ⑤
 ب) $4 - |2-x| \geq 0 \quad 2 \leq x \leq 6 \quad D_F = [2, 6] \cup (-\infty, -1]$

⑥ الف) $1-x|n| \geq 0 \quad \begin{cases} x \geq 0 & 1-x^2 \geq 0 & x \in [0, 1] \\ x \leq 0 & 1+x^2 \geq 0 & x \in (-\infty, 0] \end{cases} \quad D_F = (-\infty, 1]$ ⑥

ب) $2 - |x-1| \geq 0 \quad 1 \leq x \leq 3 \quad \wedge \quad x \geq 1, x \leq 2 \quad \Rightarrow D_F = [1, 2] - \{1, 2\}$

⑦ الف) $\cos n \neq 0 \quad D_F = R - \{k\pi + \frac{\pi}{2}\}$ ⑦
 ب) $\cos(n-1) \neq 0 \quad \cos n \neq \frac{1}{r} \quad D_F = R - \{k\pi \neq \frac{\pi}{r}\}$

⑧ الف) $|x_{n+1}| - |x+c| \neq 0 \quad |x_{n+1}| \neq |x+c|$ ⑧

$x < -2 \rightarrow -x-2 \neq -2x-1$
 $x > -\frac{1}{r} \quad x_{n+1} \neq x+r \rightarrow x \neq r$
 $-2 < x < -\frac{1}{r} \quad x+r \neq -1-2x \rightarrow x \neq -\frac{1}{r} \quad x \neq \frac{-2}{r}$
 ب) $|x_{n+1}| - |x+r| \geq 0 \quad (x_{n+1}) \geq |x+c| \rightarrow x \geq -\frac{1}{r} - (x_{n+1}) \geq x+r$
 $-2 < x < -\frac{1}{r}$
 $-2x-1 \geq -x-2$
 $x \geq -1$
 $D_F = (-\infty, -\frac{1}{r}] \cup [2, +\infty)$