

اسماء

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$$\ln \frac{r_{n+1}}{r_n} \rightarrow \frac{\pi}{\omega}, \frac{\omega}{4}, 1, \frac{9}{4}, \frac{11}{4}$$

$$z_n \sim \frac{(-1)^n}{\sqrt{n+2i}} \Rightarrow \frac{1}{\sqrt{n}} \sim \frac{1}{\sqrt{2i}} \rightarrow \frac{-1}{\sqrt{2i}}$$

5- (الف)

$$t_n = n - \left[\frac{n}{r} \right] = \{ \} \quad t_{1, r} = r^0 \rightarrow r^1 = \left[\frac{1}{r} \right]$$

(-)

٢- (الف) $\eta \in \mathbb{N}$ و $\eta < \infty$ $\Rightarrow \Gamma_n < 1 \Rightarrow \Gamma_{n-1} < 1 \Rightarrow \Gamma_{n-1} \rightarrow \Gamma_{n-1} < 1$

٢٠ - الف)

$$n = \frac{1, 2, 3, 4}{\frac{1}{2} \quad \frac{1}{2}}$$

$$t_{n,n} r_{-1} r_{n+1} \rightarrow t_{n,n} (n-r)(n-1)$$

(-)

$$\frac{2 \times 10}{10 - 10} \Rightarrow (2, 10) \rightarrow \text{مركز}$$

الف) $t_n \leq T_{n-1} \quad \frac{1}{n+1}, n \in \mathbb{N} \Rightarrow [1, \infty) \Rightarrow \Delta$

$$\rightarrow t_n \leq n^{\frac{1}{2}} - 1 \quad (n+1) \leq (n-1)(n-9) \rightarrow \frac{n^9}{n-1} \rightarrow [c, 9]$$

$$t_{\text{in}} \leq v, t_q - t_{\text{in}} \leq (q-1)d \Rightarrow |a \leq d| \Rightarrow d \leq r \quad - \omega$$

$$t_r = t_f d \cdot v_{cr} \text{ (s)}$$

۶- $t_n \rightarrow t_{n+1} = t_n + \Delta t$ (الف)

$$\rightarrow -2, -4, -6, -8, -10, -12 \rightarrow \text{for } 9-11+12 \rightarrow -1$$

۱) $t_n = n^2 + (n+1) \rightarrow$ $t_{n+1} = (n+1)^2 + (n+2)$

$$1 - \epsilon - v - n - r$$

$$t_n s_n r + b n + 1 \Rightarrow r, s | + b + | s - r - v \Rightarrow b s - \gamma$$

$$t_n s_n r - \gamma n + 1 \Rightarrow t_1, s | \dots - \gamma, + | s \in$$

$$-v - \gamma - 1 \wedge r$$

-1

$$t_n s_n r + b n - v \Rightarrow -\gamma s - r + b - v \Rightarrow b s - 1$$

$$a s \frac{a}{r} s r \Rightarrow t_n = r n r - n + v$$

$$(-\infty, a + t) \cap [r a + 1, +\infty) \rightarrow \text{متصل}$$

-9

$$r a + 1 < a + t \Rightarrow a < r \Rightarrow [-\infty, r]$$

$$\in \mathbb{N}, \Delta_1,$$

-1

$$1) \rightarrow t_n = r n \Rightarrow n:), r, r \sim, r r \rightarrow r r r$$

$$2) \rightarrow t_n, \omega n \Rightarrow 1, r, r \sim, r \rightarrow r r$$

$$3) \rightarrow \{r_n | n \in \mathbb{N}\} \cup \{\omega n | n \in \mathbb{N}\} \Rightarrow \omega r \Rightarrow \omega r$$

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