

1- t_n^2 الف

$$r_{11}, r_9, r_7, r_5, \dots$$

$$y_n = \frac{y_{n+1}}{n+1}$$

$$\begin{aligned} & \vdots \\ & = \frac{1}{\sigma} \\ & \sigma \mid \prec \\ & > \frac{1}{\sigma} \rightarrow - \\ & \sigma \mid \sigma \\ & 2 \mid \sigma \rightarrow \frac{\sigma}{2} \end{aligned}$$

$$t^2 \frac{(-1)^n}{\sqrt{n+1}}$$

$$\begin{array}{c} \frac{1}{\sqrt{2}} \\ \downarrow \\ \frac{1}{\sqrt{2}} \end{array}$$

$$\dot{v}(t_n) = v_n - \left[\frac{v}{T} \right] \rightarrow v_1 - \left[\frac{v}{T} \right] = v_1 - v = v_2$$

$t_n = \gamma_n - 10$ (الف)

$\frac{0}{-1} +$
 0 5
 2 1 1 0 0
 1 2 4

$$t_n = n^r - 14n + 10$$

$$t_n z(n-r)(n-1) \approx 0$$

$t_n = 2n - 14$ (الف)

$$q_{10} \quad n_2 \lambda$$

$$) t_{n2}^r - 1r_n + r_v$$

$$\frac{(n-q)(n-r)_{20}}{r+q-1} + \frac{1}{q} + \frac{1}{2V}$$

$$t_z \approx v$$

$$\left. \begin{aligned} t_+^2 a + r d_2 V \\ t_+^2 a + r d_2 V \end{aligned} \right\} \begin{aligned} & \text{odd } \parallel \Delta = d = r_0 \\ & \text{even } \perp \Delta = d = -r_0 \end{aligned}$$

$$t_g = 22$$

$$Q = -Y$$

$$t_{y^2} t_{y^4} - d^2 z = v - y^2 z$$

$$t_p: a + r d \rightarrow -r + q \rightarrow f$$

(الف) $t_n z^n - q_n + r$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$J) \quad t_n^r + t_{n+1}^r$$

$\frac{b}{\sqrt{a}} \quad x - \frac{x^2}{y} \quad y$

$$t_n = -t_0 - V_0 - \lambda_0 - V_1 - \lambda_1 - V_2 - \lambda_2 - \dots$$

$$y_a = y \quad \left| \begin{array}{c} a=1 \\ a=2 \end{array} \right| \quad a_n^y + b_n^y + c$$

$$\begin{array}{r} x^2 + 2x + 1 \\ 6x^2 - 2x - 1 \\ \hline 6x^2 + 10x + 1 \end{array}$$

$$\frac{a+b+c}{1+(-a+c)-r} - c$$

$$t_n = -q_2 - 1, 2, \wedge, 3, 4, \dots$$

$$\begin{array}{l} \gamma a : \gamma \\ \gamma a + b : \gamma + b : \gamma \end{array} \quad \boxed{a : \gamma} \quad \boxed{b : \gamma}$$

$$\frac{a+b+c-y}{\sqrt{a^2+b^2+c^2-y^2}} = \frac{y+(-1)+(-2)-9}{C_2-V_1}$$

$$t_n = \gamma_n + n - v$$

$t_{1/2} = 100 - 10 = 90$ hr

یا باید ϕ باشد یا فقط در یک مقدار مشارکت داشته باشد

(۹)

$$\left. \begin{array}{l} \phi \Rightarrow a + 4 \leq 2a + 1 \Rightarrow a \geq 3 \\ \Rightarrow a + 4 \leq 2a + 1 \Rightarrow a \leq 3 \end{array} \right\} a = 3$$

الف) $3, 9, 9, \dots, 99 \rightarrow t_n = 3n \rightarrow 99 = 3n \rightarrow n = 33$

عدد ۳۳

(۱۰)

ب) $5, 15, 15, \dots, 95 \rightarrow t_n = 5n \rightarrow 95 = 5n \rightarrow n = 19$

عدد ۱۹

ج) $10, 30, 40, \dots, 90 \rightarrow t_n = 10n \rightarrow 90 = 10n \rightarrow n = 9$

عدد ۹

د) $\left. \begin{array}{l} 3n = 99 \rightarrow n = 33 \\ 5n = 95 \rightarrow n = 19 \\ 10n = 90 \rightarrow n = 9 \end{array} \right\}$

$$| 33 + 19 - 9 = 44 |$$

عدد ۴۴