

$\Rightarrow 1) t_n = r^n - 1 : \quad \text{for } n = 1, 2, 3, 4, 5, \dots$
 $t_1 = \frac{r(1)^n - 1}{r} = r, \quad t_2 = \frac{r(r)^n - 1}{r} = 11, \quad t_3 = \frac{r(r)^n - 1}{r} = r^4, \quad t_4 = \frac{r(r)^n - 1}{r} = r^5, \quad t_5 = \frac{r(r)^n - 1}{r} = r^6$

$$b) \frac{r_{n+1}}{n+1} : \sqrt[3]{\frac{1}{2}} = \frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \dots$$

$$t_1 = \frac{r(1)+1}{1+r} = \frac{r}{a}, \quad t_r = \frac{r(r)+1}{r+r} = \frac{a}{4}, \quad t_r = \frac{r(r)+1}{r+r} = \frac{a}{4} + 1, \quad t_r = \frac{r(r)+1}{r+r} = \frac{a}{4}, \quad t_a = \frac{r(a)+1}{a+r} = \frac{11}{9}$$

$$\text{Sol) } t_n = \frac{(-1)^n}{\sqrt{n+1}} \Rightarrow t_{17} = \frac{(-1)^{17}}{\sqrt{17+1}} = \frac{-1}{\sqrt{18}} = \frac{-1}{1.81} = \frac{-1}{1.81}$$

$$\hookrightarrow t_n = r_n - \left[\frac{n}{r} \right] \Rightarrow t_{17} = \underbrace{\frac{17(17)}{14}}_{= 20,714285714285714} - \left[\frac{17}{14} \right] = 19 - 1 = 18$$

جمله های منفی :

(آزمایش واره صغری سرد، منقبت) $\Rightarrow$ $n = \{1, 2, 3, 4\} \Rightarrow$  $d_n = r(n-1) = r(n-0)$ $n \in \mathbb{N}$

$\hookrightarrow \ln = n^r - 1n + f = (n-1)(n-1)$

تعداد جوابات $= (9-6) + 1 = 4$
 $n \in \mathbb{N}$

جمله های نامشک :

جد های نامبت:

$$t_n = r_n - 14 = r(n-14) \Rightarrow n = (1, 2, 3, 4, 5, 6, 7, 8) \Rightarrow \underline{A}$$

$n \in \mathbb{N}$
 $\left\{ (n-1) + 1 = 1 \right\}$
تعداد جملات

n توان A باشد چون جد های نامبت شامل صفر نمی شوند.

ب) $t_n = n^2 - 12n + 27 = (n-9)(n-3)$ $\frac{3}{+|-} \frac{9}{-|+}$ $\Rightarrow n = (3, 4, 5, 6, 7, 8, 9) \Rightarrow 7$
 $n \in \mathbb{N}$ $\left[\left(\frac{3}{4} \right) + 1 = 7 \right]$
 له تبار ههنا

$$\left(\begin{array}{l} t_f = V \\ t_g = \tau \tau \end{array} \right)_{10} \quad \frac{10}{g} = \tau = d \quad , \quad t_r = t_f - d = V - \tau = \underline{\underline{8}} \quad (t_r = ?)$$

$$\begin{cases} (2i + rd = v) \\ ti + nd = rr \end{cases} \rightarrow -rd = -v \Rightarrow \omega d = 10 = \underline{\underline{d=r}}$$

$$t_1 + r(r) = v \Rightarrow t_1 = -r$$

$$t_p = t_1 + r d + \underbrace{(-r) + r(r)}_{= f}$$

