

۵) ۱، ۵، ۱۲، ۲۲
 $\begin{array}{cccc} \rightarrow & \rightarrow & \rightarrow & \rightarrow \\ +1 & +2 & +3 & +4 \\ \rightarrow & \rightarrow & \rightarrow & \rightarrow \\ +2 & +3 & +4 & +5 \end{array}$

$C=0$

$2a=3 \Rightarrow a=\frac{3}{2}$

$t_n = an^2 + bn + c$

(۱)

$t_1 = \frac{3}{2}(1)^2 + b(1) + 0$

$1 = \frac{3}{2} + b \rightarrow \boxed{b = -\frac{1}{2}}$

(۲)

$t_n = \frac{3}{2}n^2 - \frac{1}{2}n$

$t_{10} = \frac{3}{2}(10)^2 - \frac{1}{2}(10)$

$t_{10} = 150 - 5 = \boxed{145}$

۶) ۱، ۴، ۹

$t_n = an^2 + bn + c$

(۲)

$t_1 = \frac{1}{2} + b + 0$

$0 = \frac{1}{2} + b \rightarrow \boxed{b = -\frac{1}{2}}$

$t_n = \frac{1}{2}n^2 - \frac{1}{2}n$

$t_n = \frac{n^2 - n}{2}$

$\frac{n^2 - n}{2} = 110$

$n^2 - n = 220 \rightarrow n(n-1) = 220$

$\boxed{n=11}$

۷) ۵، ۹، ۱۳
 $\begin{array}{cc} \rightarrow & \rightarrow \\ +2 & +2 \end{array}$

$t_n = 4n + 1 \xrightarrow{\text{if } n=11} t_{11} = 45$

۱۱۵

۸) ۵، ۴، ۱۱
 $\begin{array}{cc} \rightarrow & \rightarrow \\ +2 & +2 \end{array}$

$t_n = 4n - 2 \xrightarrow{\text{if } n=11} t_{11} = 42 - 2 = 40$

مجموع کل غروها: $45 + 40 = 85$
 مجموع کل غروهای زنبلی: $85 + 15 = 100$

۹) $\text{if } n=2 \rightarrow a_2 = \frac{(2-1)^2}{2} = \frac{1}{2}$

(۳)

$\text{if } n=1 \rightarrow a_1 = \frac{(1-1)^2}{2} = -1$

(۴)

اختلاف = $\frac{1}{2} - (-1) = \frac{1}{2} + 1 = \boxed{\frac{3}{2}}$

Hashtag

H A S H T A G

$$b_n = (-r)^n \cdot V_n \rightarrow n=r \Rightarrow b_r = (-r)^r \cdot r! \quad (a)$$

$$b_r = -rV - r! \rightarrow b_r = -\varepsilon n$$

$$a_n = -\omega n + r! \rightarrow -\omega n + r! = -\varepsilon n$$

$$-\omega n = -V_0 \rightarrow n = 1r \Rightarrow \boxed{k=1\varepsilon}$$

$$a_{10} - a_r = 1r \rightarrow d = \frac{a_m - a_n}{m - n} \Rightarrow d = \frac{a_{10} - a_r}{10 - r} = \frac{1r}{r} = \varepsilon \quad (q)$$

$$a_4 - a_1 = ? \rightarrow a_1 + \omega d - a_1 = ?$$

$$\downarrow a_1 + \omega d$$

$$\omega d = ? \Rightarrow \omega \times \varepsilon = (r_0) = a_4 - a_1$$

$$\left. \begin{array}{l} a_r = V \\ a_r = 1d \end{array} \right\} \rightarrow d = \frac{a_\varepsilon - a_r}{\varepsilon - r} = \frac{1d - r}{r} = \frac{1}{r} = \varepsilon \quad (v)$$

$$a_r = a_1 + d \Rightarrow V = a_1 + \varepsilon \Rightarrow \boxed{a_1 = r} \Rightarrow a_r = a_1 + r d$$

$$a_r = r + 1 = 11$$

$$a_1 = b_1 = r$$

$$a_r = b_r = 11$$

$$\rightarrow \begin{array}{l} r_2, 11, \dots \\ b_n = n n - \omega \end{array}$$

$$\frac{r}{\omega}, \frac{4}{V}, \frac{10}{9}, \frac{1\varepsilon}{11}$$

$$\text{الولى صوبت} \rightarrow \begin{array}{c} r_2, 4, 10, 1\varepsilon \\ \xrightarrow{+\varepsilon} \xrightarrow{+\varepsilon} \xrightarrow{+\varepsilon} \end{array} \rightarrow t_n = r n - r$$

$$\text{الولى عرج} \rightarrow \begin{array}{c} \omega, V, 9, 11 \\ \xrightarrow{+r} \xrightarrow{+r} \xrightarrow{+r} \end{array} \rightarrow t_n = r n + r$$

$$a_n = \frac{r n - r}{r n + r} < \frac{r}{r} \rightarrow r(r n - r) < r(r n + r)$$

$$11 n - r < 4 n + 9$$

$$r n < 1r \rightarrow n < \frac{1r}{r} \rightarrow n < 4/5$$

$$\boxed{n = 1, 2, 3, \varepsilon, \omega, r \rightarrow 64}$$

$$\begin{array}{ccccccc} \xrightarrow{+p} & \xrightarrow{+p} & \xrightarrow{+p} & \xrightarrow{+p} & & & \\ +p & +p & -p & -p & & & \\ \xrightarrow{-p} & \xrightarrow{-p} & \xrightarrow{-p} & \xrightarrow{-p} & \rightsquigarrow & pa = -p & \rightarrow a = \frac{-p}{p} \end{array}$$

$$f_1 = \frac{-\mu}{r} + b$$
$$y = \frac{-\mu}{r} + b$$

$$R_3 = \frac{1 \omega}{f}$$

$$\Downarrow$$
$$A \sim \frac{2}{\gamma}$$

$$R_3 = \frac{1 \omega}{f}$$

$$\overbrace{+r} \quad \overbrace{+r} \rightsquigarrow ra = p \rightarrow \boxed{a = 1}$$

$$-4 = 1 + b - 4$$

$$a_p = |v|$$

$$a_f = r1$$

$$\left. \begin{array}{l} a_r = r! \\ a_k = k! \end{array} \right\} \rightarrow d = \frac{a_m - a_n}{m - n} = \frac{a_r - a_k}{r - k} \quad \text{then } \underline{t_n = \frac{n^r - n - 4}{r}} = \underline{\underline{\omega}}$$

$$a_r = q_1 + d = r1 \rightarrow r1 = q_1 + d \rightarrow \boxed{q_1 = r4}$$

$$\psi_4, \psi_1 \xrightarrow{+a} \psi_4, \varepsilon_1 \xrightarrow{+a} \underline{t_n = \omega n + \psi_1}$$

$$t_n = t_{n'} \Rightarrow n^2 - n - 4 = d_{n+1}$$

$$n^2 - 9n - 2V = 0 \Rightarrow (n-9)(n+2) = 0$$

$n=9$ قابل قبول است پس در یکی از حالات معوی جایگذاری کرده و عدد جمله را پیدا کرده $\leftarrow 5n+21$

$$\rightarrow n-9=0 \rightarrow \underline{n=9} \checkmark$$

$$n + 2 = 0 \rightarrow n = -2$$

منقول

$$\downarrow_{n=a}$$

$$\omega(9) + \gamma = \varepsilon \omega + \gamma = 44$$

Haftag.