

$$\rightarrow a_n = v_n + ww = v_0 \cdot 1$$

$$\underline{n = \gamma \delta} \rightarrow \alpha_{\gamma \delta} = \gamma \cdot 1$$

۴-۷۸ : جماعت عربی دہالہ اعلا صبیعی
کہ بر ۷ ، باقی ماندہ ۳۵
دارند

$$10^K \ll v_H \ll 100W$$

← تعداد : ۱۴۳ - ۱۵ + ۱

= 129
تا عدد سه رقمی

$$a_{n+r} + a_{n+r} + a_{n+r} = r a_{n+r} = -r n + 1r \rightarrow a_{n+r} = -r n + \frac{r}{n+r} \rightarrow a_{n+r} = -r(n+r) + b = -r n + b - r \rightarrow b - r = r \rightarrow b = 1$$

برای $n \geq 1$ داریم $a_n = -2n + 1$

$$\longrightarrow a_w + a_n = -r(w) + 1 - r(1) + 1 = \underline{-w^k}$$

$$10) \rightarrow a_{1w} - a_{11} = \omega d \Rightarrow r^{q_1} - r^{q_1+1} = \frac{r^{q_1+1} - r^{q_1}}{r^{q_1}(r-1)} + 1 \rightarrow r^{q_1} - r - r^{q_1} = r^{q_1} + 1 \quad \frac{r^{q_1}}{r^{q_1}(r-1)} = a$$

$a^2 - 3a - 4 = 0 \rightarrow a^2 - 3a - 4 = 0 \rightarrow (a - 4)(a + 1) = 0 \rightarrow \begin{cases} a = 4 \\ a = -1 \end{cases}$

چون a و b است $\rightarrow$ تحقق $\rightarrow$ $a = 4$

$a_1 + a_2 + a_3 = 4^3 - 3 + 4^3 + 4^2 - 1 = 4^3$

$= 3a_1 \rightarrow 3 \times (4^3) = 4^3$

$4^3(4^3 - 3) = 4^3$

$4^3 = 4 \Rightarrow 4^3 = 4$

چون $a = 1, 2, 3$ است $\rightarrow$ $4^3, 4^2, 4^1$ اند $\rightarrow$ هیچ

اما 4^3 ها زوج اند و تعداد 3 فردی شود $\rightarrow$ ما را از این دور

عامل فرد نباید پس شمار به از این فقط 1 می شود $\rightarrow 4^3 - 3 = 1 \rightarrow 4^3 = 4$

$$a_{1r} - a_{1o} = \underline{rd = \omega} \rightarrow d = r, \omega$$

$$a_1 + y_d$$

$$a_{1r} + a_{1s} = \gamma a_{1s} + \cancel{\gamma d} = \gamma d \rightarrow \gamma a_{1s} = \gamma d$$

$$Q_{10} = 10$$

$$\rightarrow a_{r1} = a_{10} + 11d \quad \frac{a_{10}=10}{d=r,d} \quad a_{r1} = 10 + 11(r,d) = \underline{37, d}$$

$$a_1 + a_1 + a_1 + a_1 + a_1 = \frac{1}{4}(a_1 + a_1 + a_1 + a_1 + a_1) \rightarrow 3(S_d) = a_1 + d + a_1 + d + a_1 + d + a_1 + d + a_1 + d$$

$$\rightarrow 3S_d = S_d + 4d \rightarrow 2S_d = 4d \rightarrow \cancel{\frac{1}{2}}(2a_1 + (n-1)d) \xrightarrow{n=2} d(2a_1 + d) = 10a_1 + 4d$$

$$\rightarrow 10a_1 + 4d = 4d \rightarrow \underline{2a_1 = d}$$

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$$\frac{a_r}{a_1} = \frac{a_1 + d}{a_1} = \frac{3a_1}{a_1} = \underline{3}$$

$$t_n = t_{n-r} + 1d \rightarrow t_n - t_{n-r} = r d = 1d \rightarrow d = a$$

$$t_1^r - t_d^r = (t_1 + t_d)(t_1 - t_d) = r t_v \times r_0 = r_0 t_v \rightarrow \frac{t_1^r - t_d^r}{t_v} = \frac{r_0 t_v}{t_v} = \underline{r_0}$$

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$$d = \frac{b-a}{n+1} \rightarrow \frac{\cancel{1} + \sqrt{3} - \cancel{1} + 1\sqrt{3}}{13} = \frac{13\sqrt{3}}{13} = \underline{\sqrt{3}}$$

$$\frac{1 + \sqrt{3} - (1 - \sqrt{3})}{13 + 1}$$

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$$d = \frac{b-a}{m+1} \rightarrow d = \frac{32-2}{8-2+1} = \frac{30}{6} = \underline{5}$$

$$a_n = a_1 + (n-1)d$$

$$a_{n+1} = a_1 + nd$$

$$\Rightarrow 9 = \frac{10n}{2n-1} \rightarrow 10n = 18n - 9 \rightarrow \underline{n=3}$$

9 و 10 مابین (مجموعه)

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$$a_n + a_{n+2} = a_p + a_{14} \Rightarrow n + n + 2 = 14 \rightarrow 2n = 12 \rightarrow n = 6 \rightarrow a_6 + a_{14} = a_p + a_{14} \checkmark$$

$$\rightarrow a_6 = 3a_1 \rightarrow a_6 + 2d = 3a_1 \rightarrow 2a_6 = 2d \rightarrow a_6 = d \Rightarrow \underline{a_6 - d = 0} \rightarrow a_6 + 2d - 2d = 0$$

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

$a_6 = 0$ (مجموعه)

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