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$$t_n = 0, 9, 13, 17 \rightarrow \text{ان} \rightarrow 2n+1$$

$$n=1 \rightarrow 2(1)+1=3$$

$$4, 9, 14, 19 \rightarrow \frac{n}{2} (2a_1 + (n-1)d) = \frac{10}{2} (2(4) + (10-1)2) = 110$$

$$S(12+14) = 240 = \text{مجموع اعداد}$$

$$(12+14) = 26 \rightarrow 2(a_{12} + a_{14}) = 2(4 + 9(2)) = 2(22) = 44$$

$$26 \times 2 = 52 \rightarrow 2(22) = 44$$

$$\rightarrow \frac{10}{2} (2(22) + (10-1)2) = 110$$

$$r+1+\sqrt{3} = 1-\sqrt{3} \times d$$

$$a_{r0} = a_1 + r \times d \quad \left. \begin{array}{l} a_{r0} = a_1 + r \times d \\ a_{rr} = a_1 + r \times d \end{array} \right\} \rightarrow r \times d = a_{r0} - a_{rr} = r(1-\sqrt{3}) = r - r\sqrt{3}$$

$$a_{rr} = a_1 + r \times d$$

$$a_n = a_1 + r \times d, a_{n+1} = a_1 + (r+1)d, a_{n+2} = a_1 + (r+2)d$$

$$a_{n+1} - a_n = r \times d = r(a_{n+1} - a_n) \rightarrow r(a_{n+1} - a_n) = r \times d$$

$$a_{n+1} - a_n = r \times d \rightarrow a_{n+1} - a_n = r \times d$$

$$y = r \times n + 1 \rightarrow y = r(2-y) + 1 \rightarrow y = 1 - ry + 1$$

$$a_b = r - n = y - r \rightarrow n + y = 2 \rightarrow ry = 1 \rightarrow y = \frac{1}{r}, n = 1$$

$$\rightarrow ny = 1 \times r = \frac{1}{r}$$

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$$r_n = \varepsilon, r_{n-1}, y_n$$

$$r_{n-1} - (r_n - \varepsilon) = y_n - (r_n - 1) \rightarrow r_{n-1} - r_n + \varepsilon = y_n - r_n + 1$$

$$\rightarrow r_{n-1} = \varepsilon n \rightarrow n = \frac{1}{\varepsilon}$$

$$x_n = -r, 0, r, \dots \rightarrow y_n = r_n - \varepsilon \rightarrow a_\varepsilon = r(\varepsilon) - \varepsilon = 4$$

$$y = 12n = \text{معدل}$$

$$a_n = \underbrace{r}_v, \underbrace{0}_r, \underbrace{v}_r, \dots \rightarrow a_n = r_{n+1} \rightarrow r, 0, v, \dots \rightarrow 1r, 10, 1v \quad (4)$$

$$b_n = \underbrace{r}_v, \underbrace{0}_r, \underbrace{1}_r, \dots \rightarrow b_n = r_{n-1} \rightarrow r, 0, 1, \dots \rightarrow 1r, 10, 1v \quad (1, 10)$$

$$c_n = 4n + a \rightarrow 4n + a \leq r \rightarrow 4n \leq r - a \rightarrow n \leq \frac{r-a}{4}$$

$$a_1 + a_r + a_p = r \rightarrow n-d, n, n+d = r \rightarrow r_n = r \rightarrow n = \frac{r}{2} \quad (v)$$

$$a_1 + a_r + a_d = 1.0 \rightarrow y - r_d, y, y + r_d = 1.0 \rightarrow r_y = 1.0 \rightarrow y = r_d = a_r \quad (v)$$

$$r_d - v = r_n = d \rightarrow a_1 = v - r_n = -r \rightarrow \frac{r_d - v + (-r)}{-r} = \frac{v}{-r} = \left| -\frac{1}{r} \right|$$

$$a_1 + a_r + a_p = 10 \rightarrow a_1 + a_1 + d + a_1 + r_d = r a_1 + r_d = 10 \quad d = r \quad (1)$$

$$a_\varepsilon + a_d = r_d \rightarrow a_1 + r_d + a_1 + \varepsilon d = r a_1 + v d = r_d \quad a_1 = r$$

$$a_{10} = a_1 + (n-1)d = r + (9 \times r) = 10r \quad (v)$$

$$S_9 = 9S_p \rightarrow 9(a_1 + d + d + a_1 + r_d) = r v a_1 + r v d = S_9 \quad (4)$$

$$a_n = r, 0, v, \dots \rightarrow a_n = r_{n+1} \quad (4)$$

$$b_n = r, 0, 1, \dots \rightarrow b_n = r_{n-1}$$

$$c_n = 0, 11, 1v, \dots \rightarrow c_n = 4n - 1$$

$$4n - 1 \leq \varepsilon \rightarrow 4n \leq \varepsilon + 1 \rightarrow n \leq \frac{\varepsilon + 1}{4}$$

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1, 2

$$q(a_1 + \{d\}) = q(r^v a_1 + r^v d) \quad \text{---} \quad (a_1 + \{d\} = r^v a_1 + r^v d) \quad \text{---} \quad a_1 + a_v = 0$$

$$\frac{Q_{r.}}{Q_v} = \frac{-d}{d_1 + 19d} \Rightarrow \frac{\frac{19nd}{r} - \frac{d}{r}}{\frac{19d}{r} - \frac{d}{r}} = \frac{19nd}{11d} = \frac{19n}{11} = \frac{19 \times 8}{11} = \frac{152}{11}$$

14

(c)

1, v0

34

1

بسیار با a_4 و a_5 واسطه حساب می‌کنیم که $a_4 = a_5 = b_4 = b_5$

$$\frac{1\psi - \psi\Lambda}{\eta + 1} = -a \rightarrow n \in \mathbb{R}$$

۴. اسفند صباکی درج نوشت