

آر ایسا آقا صالحہ یاسین صفحہ مطالعہ شد: لطفا پانچ زیبا بنویس 4

$$\{5, \dots, 3^2\}, \{3^2+1, \dots, 4^2\}$$

①

دست چارم دست سوم

$$\{1^2+1, \dots, 9^2\} \Rightarrow \{65, \dots, 111\} \Rightarrow \frac{11+65}{2} = 73$$

② ✓

$$\{1, 2, 3\}, \{4, \dots, 12\}, \{13, \dots, 39\}, \{40, \dots, 140\}, \{141, \dots, 361\}$$

①

②

③

④

⑤

$$\frac{363+141}{2} = 252$$

③ ✓

$$r \text{ قسمت } a_0 \text{ تا } a_1 \text{ جمع} = r(5 + 14 + 14 + 3 + 3 + 2 + 2 + 1 + 1 + 0) = 28r$$

③

$$\text{جمع اعداد} = 62 \quad a_1 + \dots + a_{10} = 28r + 62$$

$$-\frac{28}{3} = -14 + \frac{14}{3} = a_7 - a_1 = d_1 \quad A = \frac{1}{10}$$

④

$$a_n = An^2 + Bn + C \quad a_1 = A + B + C = 14 \quad a_7 = 4A + 7B + C = 14, 3$$

$$a_n \rightarrow a_7 = a_1 + 3d \quad a_1 = a_1 + 7d$$

⑤

$$b_n = b_1 + (n-1)m \quad b_7 = b_1 + 6m$$

$$b_{18} = b_1 + 17m = -9m$$

⑥ ✓

$$4d = 8m = 14m \Rightarrow 14$$

$$a_0 + \dots + a_9 = 19 \rightarrow 1 + 6 + 9 + 1 + 2 + 2 + a + 1 + 6 + 0 + a + 2 + 1 = 19 \quad -3$$

$$\boxed{a = -2}$$

$$S_n = \left\lfloor \frac{n}{k+2} \right\rfloor + a \xrightarrow{n=2k+2} \sum_{k=-1}^a \left\lfloor \frac{k-1}{k+2} \right\rfloor = -1 + -1 + \dots + 0 + 0 \rightarrow a = -2$$

$$t_6 = 2a + 6b + C = 14$$

$$t_7 = 4a + 7b + C = 17, 2 \rightarrow 12a + b = 1, 4 \quad -4$$

فندقی بزرگترین درجه محلی است

$$a = \frac{1}{V} (-t_6) = \frac{1}{V} (-14) = -\frac{1}{6}$$

$$12a + b = 1, 4 \rightarrow b = 4$$

$$t_6 = 14 \rightarrow 2a(-\frac{1}{6}) + 2 + C = 14 \rightarrow C = -1 \quad \left\{ \begin{array}{l} \frac{t_6}{t_1} = 6 \end{array} \right.$$

-4

$$4(a+d)^2 = 6a(a+d) + 2a(a+d)$$

$$2a^2 + ad - 4d^2 \rightarrow a = \frac{-d \pm \sqrt{49d^2}}{6} = \frac{-d \pm 7d}{6} = \frac{3d}{2} \quad \text{or} \quad a = -2d$$

$$a = -2d \rightarrow \frac{a}{d} = -2$$

$$a = \frac{3d}{2} \rightarrow \frac{a}{d} = \frac{3}{2}$$

$$a, b, c \xrightarrow{\text{عوض}} b = \frac{a+c}{2} = a - 2b - c \quad -7$$

$$b, \frac{a}{2} \rightarrow \frac{c}{2} \xrightarrow{\text{ضرب}} \frac{a^2}{4} = b \times \frac{c}{2} = a^2 - bc \quad \left\{ \begin{array}{l} (2b-c)^2 = bc \end{array} \right.$$

$$\begin{array}{ccc} (b-c) & (4b-c) = 0 \\ \downarrow & \downarrow \\ a & c = 4b \end{array} \rightarrow \frac{a+4b}{2} = b \quad a = -2b$$

$$b = -b, b \rightarrow 2 = -1 \rightarrow 2b = -2$$

سوال ۸ تا سوال ۷ حل می شود.