

برنه بدول اسم صفت کا خاصہ!

0

$$t_n = 5, 9, 13, 17$$

$$\frac{5}{2} \quad 9 \quad 13 \quad 17$$

$$\Rightarrow t_n = 4n + b$$

$$t_1 = 5 = 4 + b \Rightarrow b = 1$$

$$\Rightarrow t_n = 4n + 1$$

(1) الف

(2)

$$t_{11} = 4(11) + 1 = 45$$

$$t_n = 6, 10, 14, 18$$

$$\frac{6}{2} \quad 10 \quad 14 \quad 18$$

$$\Rightarrow t_n = 4n + 2 \Rightarrow \delta_n = \frac{n}{2} (2 + 4n)$$

$$\Rightarrow t_{11} = 4(11) + 2 = 46 \Rightarrow \delta_{11} = \frac{11}{2} (2 + 46) = 264$$

(2) الف

(2)

$$\delta_{r_a - r_r} = t_{r_a} + t_{r_r} + t_{r_1} + t_{r_2}$$

$$\Rightarrow \delta_{r_a - r_r} = \frac{n}{2} (t_{r_a} + t_{r_r})$$

$$t_{r_a} = 4(29) + 2 = 118$$

$$t_{r_r} = 4(22) + 2 = 90$$

$$\Rightarrow \delta_{r_a - r_r} = 2(118 + 90) = 416$$

$$a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$$

$$t_{r_d} - t_{r_r} = 2d$$

$$d = 2 - 1 - \sqrt{2} = 1 - \sqrt{2} \Rightarrow t_{r_d} - t_{r_r} = 2(1 - \sqrt{2}) = 2 - 2\sqrt{2}$$

(2) 13

$$a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$$

$$\Rightarrow \omega^x + \omega^y = 2 \times \omega^x$$

$$\Rightarrow \omega^y = \omega^x \Rightarrow y = x$$

$$x + y = 2 \Rightarrow x = 2 - y$$

$$\omega^x + \omega^y = 2 \times \omega^x \Rightarrow \omega^y = \omega^x$$

$$\Rightarrow \omega^y = \omega^x \Rightarrow y = x$$

$$\omega^y = \omega^x \Rightarrow y = x$$

جواب: در برکه بعدی

$$a, b, c \Rightarrow a, c = 2b$$

(2) 10

$$4x + 2x - 2 = 12x - 2 = 2x - 2 \Rightarrow 2x = 2$$

$$\boxed{x = \frac{1}{2}} \Rightarrow -2, 0, 2$$

$$r_1 = r_2 = a$$

$$\Rightarrow t_n = 2n - 2$$

$$\Rightarrow t_2 = 2(2) - 2 = 2 \checkmark$$

$$a_n = 2, 4, 6, \dots \Rightarrow a_n = 2n + 1$$

$$\Rightarrow [2, 2] = 2 \Rightarrow t_n = 2n - 1$$

$$b_n = 2, 4, 1, \dots \Rightarrow b_n = 2n - 1$$

$$a_1 = 21 \Rightarrow t_n \leq 21 \Rightarrow 2n - 1 \leq 21$$

$$\Rightarrow n \leq 11$$

$$t_n = 0, 11, 12, \dots$$

$$n = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11$$

$$a_1 + a_2 + a_3 = 21 \Rightarrow 2a_1 + 2d = 21$$

(1)

$$a_1 + a_2 + a_3 = 10 \Rightarrow 2a_1 + 2d = 10$$

$$\Rightarrow 2d = 10 \Rightarrow d = 5$$

$$d = 5$$

$$\Rightarrow 2a_1 + 10 = 21$$

$$\Rightarrow 2a_1 = 11 \Rightarrow a_1 = 5.5$$

$$\Rightarrow a_1 = 5.5$$

$$\frac{d}{2d - a_1}$$

$$\frac{a_1 + a_2 + a_3}{a_1} = \frac{d - 11 = 21 - 11 = 10}{-11} = \frac{10}{-11} \Rightarrow \frac{10}{-11} \checkmark$$

$$a_1 + a_2 + a_3 = 10 \Rightarrow 2a_1 + 2d = 10$$

(1)

$$a_1 + a_2 = 10 \Rightarrow 2a_1 + 2d = 10$$

$$\Rightarrow 2a_1 + 2d = 10 \Rightarrow a_1 + d = 5$$

$$\Rightarrow a_1 = 5 - d$$

$$1 \cdot d \Rightarrow d = 10 \Rightarrow d = 10$$

$$\Rightarrow 2a_1 + 2d = 10 \Rightarrow a_1 = 5$$

$$\Rightarrow a_n = a_1 + (n-1)d = 5 + (n-1)10$$

$$\Rightarrow a_{10} = 5 + 9 \cdot 10 = 95 \checkmark$$

$$\frac{a_{10}}{a_1} = \frac{95}{5} = 19 \Rightarrow \frac{19}{1} = 19 \checkmark$$

$$a_{10} = 95$$

$$\Rightarrow 2(a_1 + a_2 + a_3 + \dots + a_n) = a_1 + a_2 + a_3 + \dots + a_n$$

$$2 \cdot \frac{1}{2} (a_1 + a_n) = \frac{1}{2} (a_1 + a_n) \Rightarrow \frac{a_1 + a_n}{1} = \frac{1}{2} \Rightarrow a_1 + a_n = \frac{1}{2} \Rightarrow a_1 + a_n = \frac{1}{2}$$

(2) 11.

$$d = 3$$

$$\rightarrow a_{\mu} \cdot t_{\mu}$$

$$t_f = r_g \quad \Rightarrow \quad t_f = t_1 + r_d \Rightarrow r_d = -1 \text{ d}$$

$$2 = -\frac{1}{2} - 3 \checkmark$$

उत्तर - 5

گواہ

۱. یہ قرار دھیمتا

1 2

(1, 2)

$\rho^{\mu} x^{\nu} \omega^{\mu}, \omega^{\nu}$

$$\Rightarrow \omega^x = \omega^x \omega^{rx} = \omega^{rx+1}$$

ω $\{ \alpha, \lambda \}$

二

$$\leftarrow \begin{matrix} u=1 \\ y=\mu \end{matrix}$$

← $f_x = r_x + 1$

$$1 = 2^x \Rightarrow x = 0$$

$$\Rightarrow y = \frac{1}{x} \Rightarrow xy = 1 \Rightarrow \frac{1}{x} \times \frac{1}{y}$$

~~$$= \frac{1}{9}$$~~