

نہ لکھو

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{1} {2, 3, 4} {5, 6, 7, 8, 9} {10, 11, 12, 13, 14, 15, 16} ...

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1, 2, 5, 10, 17, 26, 37, 50, 65
 $\frac{1}{1} + \frac{1}{4} + \frac{1}{9} + \frac{1}{16} + \frac{1}{25} + \frac{1}{36} + \frac{1}{49} + \frac{1}{64}$

1, 4, 9, 16, ... $9^2 = 81$

$$\text{مجموعہ} = \frac{81 + 65}{2} = \frac{146}{2} = \boxed{73}$$

{1, 3, 5} {7, ..., 13} {15, ..., 21} {23, ..., 29}
 {31, ..., 37}

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$$\text{مجموعہ} = \frac{37 + 31}{2} = \frac{68}{2} = \boxed{34}$$

$$a_f = F \quad a_p = 1+a \quad a_{ps} = P \quad a_e = P \quad (3)$$

$$a_a = 1+a \quad a_g = F \quad a_{vs} = 0 \quad a_h = P+a$$

$$a_q = 1$$

$$P\Delta + P\Delta a = 19 \rightarrow a = -P$$

$$10a + (1+1+P+P+\dots+P) = 11 + 10(-P) = -P \quad (5)$$

$$\frac{1}{\omega} \rightarrow \frac{1}{\omega}$$

$$a_n = an^r + bn + c$$

$$a_n = -an^r + kn - 1$$

$$\frac{1}{v_0} x - 1\epsilon = \frac{-1}{\omega}$$

$$\left\{ \begin{array}{l} a_u = -a + ab + c \\ a_v = \frac{-kq}{\omega} + vb + c \end{array} \right.$$

$$-k, a + vb = k, p$$

$$b = \epsilon$$

$$\frac{a_u}{a_v} = \frac{-11k\omega + q_0 - 1}{-a + k - 1} = \frac{-10444}{-1} = \boxed{10444}$$

$$a_1, \dots, a_n$$

(4)

$$a_1, \dots, a_n \rightsquigarrow a + \sqrt[n]{d}, \dots, a + \sqrt[n]{d}$$

$\sqrt[n]{a+b} \qquad \qquad \qquad \sqrt[n]{a+b}$

~~der~~

$$\text{der } a + b$$

$$\text{der } a_1 + (n-1)d$$

$$Fd = \omega a \rightarrow d = \frac{\omega a}{\varepsilon}$$

$$1 \cdot a + b = 0 \Rightarrow b = -1 \cdot a \rightsquigarrow 1 \omega a - 1 \cdot a = \omega a \rightarrow \text{der}$$

$$\frac{\omega a}{d} = \frac{\omega a}{\frac{\omega a}{\varepsilon}} = \varepsilon$$

$$q a^r = \omega a^r + \sqrt[n]{a}$$

$$q(a+d)^r = \omega a(a+d) + \sqrt[n]{a(a+d)}$$

$$q a^r + q d^r + r a d = \omega a^r + \omega a d + \sqrt[n]{a^r} + \sqrt[n]{a d}$$

$$+ \sqrt[n]{a^r} + a d - q d^r = 0$$

$$a = \frac{-d \pm \sqrt{d^2 - r \times r - q d^r}}{r} = \frac{-d \pm \sqrt{d}}{\varepsilon}$$

$$a = \frac{-\sqrt{d}}{\varepsilon} \quad a = \frac{\sqrt{d}}{\varepsilon}$$

$$\frac{a_1}{d} = \frac{-\sqrt{d} + \sqrt{d}}{d} = 1 \quad \text{or}$$

$$\frac{a_1}{d} = \frac{\frac{\sqrt{d}}{\varepsilon} + \sqrt{d}}{d} = \frac{\sqrt{d}}{\varepsilon}$$

$$a, b, c \quad \text{no} \quad \textcircled{1} \textcircled{2} \textcircled{3}$$

$$b, \frac{a}{\epsilon}, \frac{c}{\epsilon} \quad \textcircled{1} \textcircled{2} \textcircled{3}$$

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$$\epsilon b = ac$$

$$\rightarrow a = \epsilon b - c$$

$$\frac{a^2}{\epsilon} = \frac{bc}{\epsilon} \Rightarrow a^2 = bc$$

$$(\epsilon b - c)^2 = bc \rightarrow \epsilon^2 b^2 + c^2 - 2\epsilon bc = bc$$

$$\epsilon^2 b^2 + c^2 - 2\epsilon bc = 0$$

$$(c-b)(c-\epsilon b) = 0$$

$$\rightarrow b = c \quad \times$$

$$\epsilon b = c \quad \checkmark$$

$$a, b, \epsilon b$$

$$\epsilon b = \epsilon b + a$$

$$a = -\epsilon b$$

⑤

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

$$\epsilon q = -\epsilon$$

$$\epsilon b, \epsilon a, c \quad \text{no}$$

$$a, b, c \quad \text{no}$$

⑤ ①

$$b^2 = ac$$

$$\epsilon a = \epsilon b + c$$

$$\epsilon a - c = \epsilon b$$

$$\frac{\epsilon a - c}{\epsilon} = b$$

$$\frac{\epsilon a^2 + c^2 - 2ac}{\epsilon} = ac \rightarrow \epsilon a^2 + c^2 - 2ac = 0$$

$$(c - \epsilon a)(c - a) = 0$$

$$C = a x$$

$$C = K a \checkmark$$

$$a, -K a, K a$$

$$a^r = 1 q$$

$$\frac{a q}{a^r} = \frac{a q^r}{a q^a} = q^r \rightarrow (-\varepsilon)^r = \underline{-q\varepsilon}$$

$$\frac{a q^a}{a^r q^r} + \frac{a q}{a a} = \frac{q^r}{a^r} + \frac{q}{a} = r$$

$$\textcircled{5} \textcircled{7}$$

$$\frac{q^r}{a^r} + \frac{q}{a} - r = 0$$

$$n^r + n - r = 0$$

$$(n-1)(n+r) = 0$$

$$n = 1 \text{ or } n = -r \quad \frac{q}{a}$$

$$\frac{a a}{a q} = \frac{a}{q} \Rightarrow \boxed{1 / \frac{-1}{r}}$$

$$\sqrt{a_\xi}, a_\xi, \nu$$

$\textcircled{\nu}$ $\textcircled{\xi}$ $\textcircled{\nu}$

①

$$\sqrt{a q^\nu} = a q^\nu \quad \leadsto \quad a^2 q^\xi = a q^\nu$$

$$a q = 1$$

$$\frac{a q^\xi}{a q} = q^\nu = \nu$$

$$q = \nu$$

$$\hookrightarrow a x^\nu = 1$$

$$a = \frac{1}{\nu}$$

$$\frac{1}{\nu} - \frac{1}{\nu} = \frac{1}{a}$$