

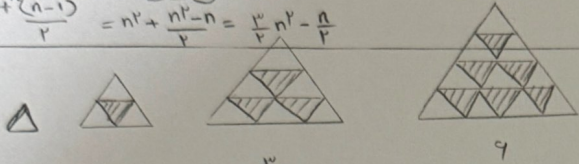
$$+1 \quad +4 \quad +9 \quad +16 \quad +25 \quad +36 \quad +49 \quad +64 \quad +81 \quad +100 \quad \dots$$

$$a_n = \frac{n^2}{2} - \frac{n}{2}$$

$$\Rightarrow a_{10} = \frac{10^2}{2} - \frac{10}{2} = 50 - 5 = 45$$

$$\frac{n^2}{2} + b \leq 1 \Rightarrow b \leq -\frac{1}{2}$$

$$n^2 + \frac{n(n-1)}{2} = n^2 + \frac{n^2 - n}{2} = \frac{2n^2 + n^2 - n}{2} = \frac{3n^2 - n}{2}$$



$$+0 \quad +1 \quad +2 \quad +3 \quad +4 \quad +5 \quad +6 \quad +7 \quad +8 \quad +9 \quad +10 \quad +11 \quad +12 \quad +13 \quad +14 \quad +15 \quad +16 \quad +17 \quad +18 \quad +19 \quad +20 \quad \dots$$

$$a_n = \frac{n^2}{2} + b \Rightarrow \frac{n^2}{2} - \frac{n}{2} = \frac{n(n-1)}{2}$$

$$\frac{n(n-1)}{2} \Rightarrow n=11$$

$$a \cdot \frac{1}{2} + b = 0$$

$$b = -\frac{1}{2}$$

$$a_n = 1, 4, 9, 16, \dots \rightarrow a_n = n^2 \rightarrow n=11 \rightarrow 11^2 = 121$$

$$a_n = n(n-1) \rightarrow n=11 \rightarrow 11 \cdot 10 = 110$$

$$a_n = 1 + 4 + 9 + 16 + 25 + 36 + 49 + 64 + 81 + 100 + 121 = 505$$

$$a_n = \frac{(-1)^n}{n} \rightarrow -1, \frac{1}{2}, -\frac{1}{3}, \frac{1}{4}, -\frac{1}{5}, \dots$$

$$a_n = \frac{1}{n} \rightarrow \frac{1}{1}, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \dots$$

$$a_n = -1 \rightarrow -1, -1, -1, -1, -1, \dots$$

$$a_n = \frac{1}{n} + 1 \rightarrow \frac{1}{1} + 1 = 2, \frac{1}{2} + 1 = \frac{3}{2}, \dots$$

$$b_n = (-2)^n - 21 = -25 - 21 = -46$$

$$a_n = -25 + 22 = -3$$

$$\Rightarrow -25 + 22 = -3$$

$$n=11$$

$$|a_4 - a_1| \leq |9a + b - a - b| = 8|a| \leq 8 \times 1 = 8 = \gamma_0$$

$$\left. \begin{array}{l} a_F = V \rightarrow Pa + b = V \\ a_F = 1\omega \quad Pa + b = 1\omega \end{array} \right\} \Rightarrow Pa = 1 \Rightarrow a = F \Rightarrow b = -1$$

$$a_n = r^{n-1} \quad n=1 \rightarrow r^{-1} = r^0$$

$$n=12 \rightarrow 12-1=11$$

$$b = w^{\wedge} \circ \Pi \circ \dots$$

$$b_n = \underbrace{\Lambda n - \omega}$$

$$t_n = \frac{r_n - r}{r_n + r}$$

$$\frac{r_{n-1}}{r_{n+1}} < \frac{r}{r} \Rightarrow \lambda_{n-1} < \gamma_{n+1}$$

$$r_n < 13$$

$$n < 4, \omega \rightarrow n = 6^2 \dots 9 \rightarrow 9$$

$$+7 \quad +r \quad +0 \quad -r \quad -7$$

$$t_n = 9, 9, 9, 9, 9, \dots$$

$$t_n = -\frac{r}{v} n^2 + b n + c \rightarrow \overset{A}{-\frac{r}{v} n^2} + \overset{B}{\left(\frac{1\omega}{v}\right) n}$$

$$-\frac{r}{r} + b = 9 = \frac{1r}{r} \rightarrow b = \frac{10}{r}$$

$$\omega_A + \omega_B = -\frac{q}{r} + \frac{V\Delta}{r} = \frac{44}{r} = 177$$

$$\left. \begin{array}{l} a_1 = r_1 \rightarrow \cancel{a_1} + b = r_1 \\ a_2 = r_1 \rightarrow \cancel{a_2} + b = r_1 \end{array} \right\} r_{a1} = 1 \rightarrow a = 0 \Rightarrow \omega a + r_1 = a_1$$

$$t_n = -4, -9, -16, \dots$$

$$a_n = n^2 - n - 4$$

$$n^2 + 6n + 9$$

$$1 + 6 - 7 = -4$$

$$b = -1$$

$$\omega + r_1 = n^r - n - 4$$

$$n^2 - 9n - 10 = 0$$

$$(n-10)(n+1) = 0$$

$$\begin{cases} n = -1 \rightarrow X \\ n = 9 \rightarrow \checkmark \end{cases}$$