

$$1 \cdot a + b - \nu a - b = 1r \Rightarrow \cancel{a} = 1r \Rightarrow \boxed{a = r}$$

$$t_9 - t_1 = \omega a \Rightarrow \omega \times \epsilon = \boxed{r_0}$$

✱

$$\left. \begin{array}{l} r_a + b = \nu \\ r_a + b = 1\omega \end{array} \right\} r_a = 1 \Rightarrow \boxed{a = r} \quad b = \boxed{-1}$$

$$t_1 = r + (-1) \Rightarrow \epsilon$$

$$t_e = (r \times r) + (-1) \Rightarrow 11$$

$$\underbrace{r \times r}_{+v} \dots \Rightarrow \boxed{\nu n - \epsilon}$$

$$r_0 r_0 1 \dots \Rightarrow r_{n-r}$$

$$\omega \epsilon \nu \epsilon \dots \Rightarrow r_{n+\epsilon}$$

$$\left\{ \begin{array}{l} \frac{r_{n-r}}{r_{n+\epsilon}} < \frac{\nu}{r} \end{array} \right.$$

$$\hookrightarrow n - r < n + \epsilon \Rightarrow r < 1r$$

$$\hookrightarrow n < \frac{1\epsilon}{r}$$

(nos)

$$t_n = \begin{array}{cccc} 9 & 9 & 9 & 9 \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} \\ +r & +\omega & -r & -s \\ \underbrace{\quad} & \underbrace{\quad} & & \\ -\epsilon & -r & & \end{array}$$

$$a = -\frac{r}{r}$$

$$c = \epsilon$$

$$b = \frac{1\omega}{r}$$

$$rA + \omega B = r \times \left(-\frac{\epsilon}{r}\right) + \frac{\omega \times 1\omega}{r} \Rightarrow -\frac{9}{r} + \frac{\nu\omega}{r} = \frac{9s}{r} \Rightarrow \boxed{r_9}$$

$$t_n = -9, -r_9, 0, 0, \dots$$

$$a = 1$$

$$c = -9$$

$$b = -1$$

$$\cancel{x^r} - x - 9$$

$$t_1 + d = \epsilon_1$$

$$t_1 + \omega d = \epsilon_1$$

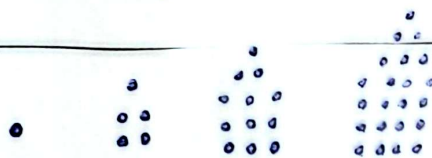
$$r_d = 1$$

$$\boxed{d = \omega}$$

$$\boxed{t_1 = r_9}$$

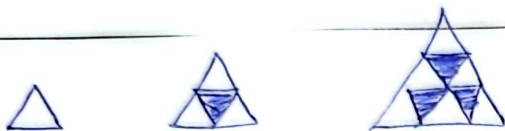
$$x^r - x - 9 = 0x + r_1$$

$$x^r - 9x - r\nu = .$$



$$t_n = n^2 + \frac{n \times (n-1)}{2} \Rightarrow t_{10} = 100 + \frac{10 \times 9}{2} \Rightarrow 145$$

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0 و 1 و 3 و 6 و ...

$$t_n = \frac{n \times (n-1)}{2} \Rightarrow \frac{n \times (n-1)}{2} = 55 \Rightarrow n \times (n-1) = 110 \Rightarrow n = 11$$

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$$f_n = 4n + 1 \Rightarrow f_{11} = 4 \times 11 + 1 = 45$$

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$$f_n = 4n - 2 \Rightarrow 4n - 2 = 18 \Rightarrow n = 5$$

$$\frac{(-1)^n}{n} \Rightarrow -1, \frac{1}{2}, -\frac{1}{3}, \frac{1}{4}, \dots$$

$$\text{Max-Min} = \frac{1}{4} - (-1) = \frac{5}{4}$$

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$$b_n = (-2)^n - v_n \Rightarrow t_8 = -2^8 - 2^7 = -256$$

$$-2^8 + 2^7 = -256 \Rightarrow -2^8 = -256 \Rightarrow n = 8 \Rightarrow k = 8$$

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