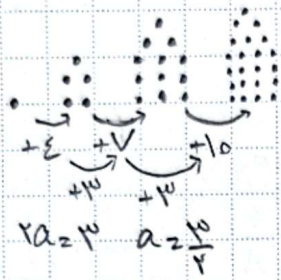


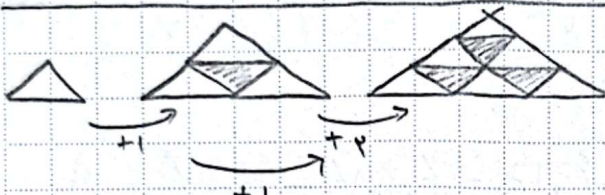
سایه‌ارودی دوم دختر B



$$t_{10} = 145$$

$$t_{10} = \frac{10}{4}(10)^2 - \frac{1}{4}(10) = 150 - 5 = 145$$

$$\begin{cases} t_1 = \frac{10}{4}(1)^2 + b + c = 1 \rightarrow -\frac{1}{4} = b + c \rightarrow b = -\frac{1}{4} \\ t_2 = \frac{10}{4}(2)^2 + 2b + c = 5 \rightarrow -1 = 2b + c \rightarrow c = 0 \end{cases}$$



$$\frac{1}{4}n^2 - \frac{1}{4}n = 55$$

$$n^2 - n = 110$$

$$n^2 - n - 110 = 0$$

شکل ۱۱
 t_{11}

$$2a = 1$$

$$a = \frac{1}{2}$$

$$\begin{cases} t_1 = \frac{1}{4}(1)^2 + b + c = 0 \rightarrow -\frac{1}{4} = b + c \rightarrow b = -\frac{1}{4} \\ t_2 = \frac{1}{4}(2)^2 + 2b + c = 1 \rightarrow -1 = 2b + c \rightarrow c = 0 \end{cases}$$



مجموع کل مهره‌های رنگی t_{11}

$$t_n = 11n - 3$$

$$t_{11} = 11(11) - 3 = 122$$

$$t_n = 11n + 1$$

$$t_{11} = 11(11) + 1 = 122$$

$$t_{11} = 122$$

$$t_{11} = 122$$

$$a_n = \frac{(-1)^n}{n}$$

اختلاف بزرگترین و کوچکترین جمله = ؟

$$\frac{1}{n} - 1 = -\frac{1}{n}$$

n زوج = جمله مثبت و $+\frac{1}{n}$

n فرد = جمله منفی و $-\frac{1}{n}$

$$b_n = (-3)^n - \sqrt{n}$$

$$a_n = -5n + 22$$

$$b_p = a_k$$

$$k = 14$$

$$b_3 = (-3)^3 - \sqrt{3} = -27 - \sqrt{3} = -27 - 1.7 = -28.7$$

$$a_k = -5k + 22 = -28.7 \rightarrow -5k = -50.7 \rightarrow k = 10.14$$

$$n_z = \frac{-b \pm \sqrt{b^2 - \epsilon a c}}{\gamma a}$$

$$n_z = \frac{1 \pm \sqrt{1 + \epsilon \epsilon_0}}{\gamma} = \frac{1 \pm \gamma}{\gamma} = -\log \left(\frac{1}{\gamma} \right)$$

$$t_{10} - t_1 = 12$$

$$t_4 - t_1 = ?$$

-4*

$$(a_n) \rightarrow a_1 = 1, a_2 = 15$$

$$(b_n) = ? \quad -V$$

$$(b_n) \rightarrow a_1 = b_1, a_2 = b_2$$

$$a_1 + a_2 = a_1 + a_2 \rightarrow b_1 + 15 = b_1 + 1 \rightarrow b_2 - b_1 = \frac{1}{2}$$

$$b_n = a_1 + 1n - 1$$

$$t_n = \frac{1}{2}, \frac{4}{9}, \frac{10}{9}, \frac{14}{11}, \dots$$

-1

چند جمله کوچکتر از $\frac{13}{2}$ دارد؟

همه جملات کوچکتر از $\frac{13}{2}$ هستند

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

$$13A + 5B = 139$$

-9

$$t_n = An^2 + Bn$$

$$13\left(-\frac{13}{2}\right) + 5\left(\frac{15}{2}\right) = -\frac{9}{2} + \frac{75}{2} = 139$$

$$\begin{cases} 13A = -13 \\ A = -1 \end{cases}$$

$$t_1 = -\frac{13}{2} + B = 9 \rightarrow B = \frac{31}{2}$$

$$13A + 5B = 139$$

$$t_n = -4, -2, 0, \dots$$

درجه 2

-10

$$a_n \rightarrow a_1 = 1, a_2 = 1$$

در یک جمله مشترک
آن جمله کدام است؟

$$\begin{cases} t_1 = 1 + b + c = -4 \\ t_2 = 1 + 2b + c = -2 \end{cases}$$

$$\rightarrow -1 = b + c \rightarrow b = -1$$

$$\rightarrow -1 = 2b + c \rightarrow c = -4$$

$$t_n = n^2 - n - 4$$