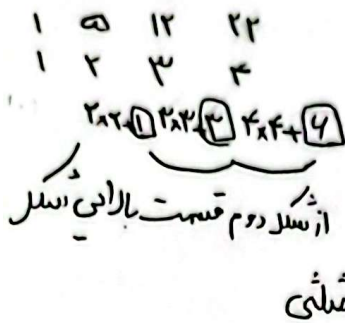


قسمت بالای شکل از شکل دوم مثلثی است

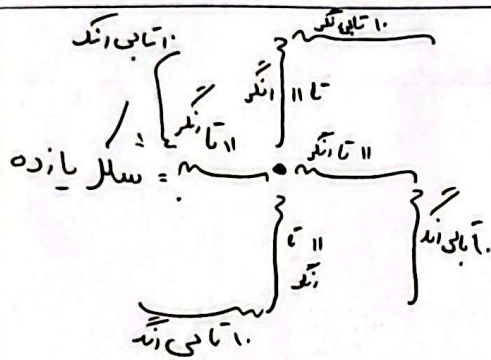
$$T_{10} = (10 \times 10) + \frac{9 \times 10}{2} = 145$$



تعداد مثلث های رنگ شده از الگوی مثلثی زیری می کنند

$$T_n = \frac{n(n+1)}{2} = 55 \quad n(n+1) = 110$$

$$n = 11$$



$$10 = (11 \times 4) + (10 \times 4) + 1 = 10$$

$$رنگی = (11 \times 4) + 1 = 45$$

$$سفید = (10 \times 4) = 40$$

ابی رنگ

$$a_n$$

$$n=1 \Rightarrow -1 \quad n=5 \Rightarrow -\frac{1}{5}$$

$$n=2 \Rightarrow \frac{1}{2}$$

$$n=3 \Rightarrow -\frac{1}{3}$$

$$n=4 \Rightarrow \frac{1}{4}$$

$$\text{کوچکترین} = -1 \quad \text{بزرگترین} = \frac{1}{2}$$

$$\text{اختلاف} = \frac{1}{2} - (-1) = \frac{3}{2} = 1.5$$

$$b_3 = (-3)^3 - 21 = -27 - 21 = -48$$

$$-5n + 22 = -48$$

$$-5n = -70$$

$$5n = 70$$

$$n = 14 = k$$

1, 2, 3, 4, 5, 6

$$\omega_d = F_A \omega = \boxed{\gamma.}$$

d. r

$$a_r \xrightarrow[r d = 1]{d = 1} a_f$$

$$b_n = \mu, 11$$

$$b_n = \boxed{\lambda n - \alpha}$$

$$a_1 = a_2 - d \Rightarrow V - r = r \Rightarrow b_1$$

$$a_r = a_f - d \Rightarrow (a - r = 11) \Rightarrow b_r$$

$$\cup_{i=0}^{\infty} = \underbrace{2, 4, 10, 14, \dots}_{++} \Rightarrow f_n - 2$$

مفرج = 11 و 9 و 7 و 5 $\Rightarrow 2n+3$

$$t_n = \frac{r_{n-r}}{r_{n+r}} \Rightarrow \frac{r_{n-r}}{r_{n+r}} < \frac{r}{r}$$

$$4n + 9 > 1n - 4$$

$$n = 1, 2, 3, 4, \dots, 4$$

$$r_n < 1$$

$$n < 410$$

← ۶ جمله کمتر از $\frac{2}{3}$

$$z_1 = y \Rightarrow z_1 = A(1) + B(1) = y = A + B = y$$

$$x_r = 9 \Rightarrow x_r = A(r) + B(r) = 9 \quad - \quad rA + rB = 9 \quad r\left(\frac{-r}{r}\right) + W\left(\frac{19}{r}\right) = \frac{99}{r} = \boxed{33}$$

$$\begin{cases} 7A + 2B = 9 \\ A + B = 4 \end{cases} \Rightarrow + \begin{cases} 7A + 2B = 9 \\ -7A - 7B = -28 \end{cases}$$

$$B = \frac{10}{r} \quad A = \frac{-4}{r} = -\frac{r}{r}$$

$-4, -2, 0$
 $+2 \quad +2$
 $r = 2$
 $a = 2$

$n^2 - n - 7 = 5m + 21$ $n=7, m=3$ اسنادِ اک و قی

$$m = \frac{n^2 - n - rv}{a}$$

$$2(4) + 91 = 99$$

$$n = 1 - 1 + 3 + 0 = -4$$

$$\begin{cases} 2B + C = -1 \\ B + C = -5 \end{cases} \Rightarrow \begin{matrix} B = -1 \\ C = -4 \end{matrix}$$

$$A n^r + b n + c \rightarrow n = r = r + r B + c = -r$$

$$n^4 - n - 4$$