

n^2 : آخرین عدد دسته
 $(n-1)^2 + 1$: اولین عدد دسته

$\sqrt{9^2} = 9^2 = 81$
 دسته نهم
 $(9-1)^2 + 1 = 64$ اولین عدد

و رابطه جایی: $\frac{81-64}{2} = 8$
 $64 + 8 = 72$

$\{1, 2, 3\}, \{4, 5, \dots, 12\}, \{13, \dots, 25\}, \{26, \dots, 36\}, \{37, \dots, 49\}, \{50, \dots, 64\}$

$\frac{121 + 363}{2} = 242$

$n=1 = 3 \times (0+1) \quad k=0 \quad n=4 = 3(1)+1 \Rightarrow k=1$
 $a_1 = -2(0) + 4 = 4 \quad a_4 = -2(1) + 4 = 2$
 $n=2 = 3(0)+2 \Rightarrow k=0 \quad \sum_{i=0}^1 10 = 19$
 $a_2 = \left(\frac{2}{0+2}\right) + a_1 = 1 + a_1$
 $n=3 = 3(1) \Rightarrow k=1$
 $a = -1$

$\sum_{i=0}^1 10 = 19$
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$a_n = a_{n-1} + b_{n-1} + C$
 $a = \frac{1}{\sqrt{0}} \times (-14) \quad a = -0.2$
 $b = 4$
 $2\omega \times (-1/2) + \omega \times 4 + C = 14$
 $C = -1$

$2\omega a + \omega b + C = 14$
 $49a + 7b + C = 14$
 $12a + b = 1/2$
 $a_1 = -0.2 + 4 - 1 = 2.8$
 $a_{10} = -0.2 \times (10)^2 + 4 \times 10 - 1 = 14$
 $\frac{14}{2.8} = 5$

$a_4 = b_2$
 $a_8 = b_4$

$a_1 + 3d = b_1 + d'$
 $a_1 + 7d = b_1 + 7d'$
 $\downarrow$

$b_{10} = 0$
 $b_1 + 9d' = 0$
 $b_1 + \frac{36}{\omega} = 0$
 $b_1 = -\frac{36}{\omega}$

$fd = \omega d'$
 $d' = \frac{f}{\omega} d$
 $b_{10} = -\frac{36}{\omega} d + 14 \left(\frac{f}{\omega} d\right)$
 $b_{10} = \frac{20}{\omega} d = 4d$

$$y(a+1)^r = \omega(a+r)a + r(a+1)a$$

$$y a^r + r r a^r = \omega a^r + r a^r \Rightarrow r a^r + r a^r = y$$

$$\begin{aligned} a &= -r \\ a f &= a + r \\ a f &= 1 \end{aligned}$$

$$a = 1/\omega \rightarrow a f = f/\omega \quad \frac{a f}{d} = \frac{f/\omega}{f/\omega} = 1$$

$$\begin{aligned} a &= b-d \\ b &= b \\ c &= b+d \end{aligned}$$

$$\begin{aligned} D, \frac{a}{r} &\rightarrow b, \frac{b-d}{r}, \frac{b+d}{r} \\ \frac{1}{r}(b-d)^r &= b \times \frac{1}{r}(b+d)^r = b^r - r b^{r-1} d + \dots \\ &= b^r + d^r - b^r = d^r - r b^{r-1} d = 0 \quad d^r - r b^{r-1} d = 0 \quad d^{r-1} - r b^{r-1} = 0 \\ r q &= r \times \frac{1}{r} \frac{a}{b} \quad r q = \frac{a}{b} \rightarrow b-d \quad \frac{b-r b}{b} = -r, \frac{b-0}{b} = 1 \end{aligned}$$

$$q = \frac{c}{b} = \frac{b}{a} \quad r a - r b = c - r a \quad a q = b$$

$$r a - r a q = a q^r - r a \quad r - r q = q^r - r$$

$$0 = r - r q + q^r \quad q = \frac{\sqrt{r^2 \pm -r}}{r} \quad q \in \{-1, 1\}$$

$$\frac{a q^r}{a q^0} = \frac{(-1)^r}{(1-r)^0} = -1$$

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

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

$$r a^r = a r + r^r$$

$$0 = r a^r - a r + r^r$$

$$\frac{\sqrt{r^2 \pm 1}}{r} = x$$

$$x = 10 - \frac{1}{r} = 9 \frac{1}{r}$$

$$a r = \sqrt{a^r}$$

$$a \omega = r v$$

$$a q^r = \sqrt{a q^r} \xrightarrow{r/2} a^r q^r = a q^r$$

$$a q^r = q^r \quad r v = q^r \quad q = r$$

$$a \omega = r v \quad a q^r = r v \quad a = \frac{1}{r}$$

$$\frac{1}{r} - \frac{1}{r} = \left[\frac{1}{r} \right]$$