

عدد آخر هر دسته از رابطه n^2 به دست می آید
 عدد اول هر دسته از رابطه $(n-1)^2 + 1$ به دست می آید

$$\text{عدد آخر} = 9^2 = 81$$

$$\text{عدد اول} = (9-1)^2 + 1 = 65$$

$$\text{واسطه حساب} \rightarrow \frac{65+81}{2} = 73$$

میانگین

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

$$a_{24} + 000 + a_{29} = 2a + 1a + 2 = 10(-2) + 18 = -2$$

$$\text{مجموعه اول} = 25 + 3a = 19 \rightarrow a = -2$$

$$a_n = -\frac{1}{5}n^2 + 7,5n - 13,5 \quad a_n = an^2 + bn + c \quad a = \frac{1}{50} \times (-14) = -\frac{1}{5}$$

$$a_{15} = -45 + 97,5 - 13,5 = 39 \quad -\frac{1}{5} \quad a_1 = -\frac{1}{5} + 7,5 - 13,5 = -\frac{1}{5} \quad \frac{a_1}{a_{15}} = \frac{-\frac{1}{5}}{39}$$

$$a_{15} = -\frac{1}{5} \times 25 + 5b + c = 14 \rightarrow 5b + c = 19$$

$$a_{17} = -\frac{1}{5} \times 49 + 7b + c = 17,2 \rightarrow 7b + c = 27$$

$$\left. \begin{array}{l} 5b + c = 19 \\ 7b + c = 27 \end{array} \right\} \begin{array}{l} 2b = 13 \\ b = 6,5 \\ c = 13,5 \end{array}$$

$$T_1 + 4d = T_8 \quad a_2$$

$$ga^r + 1rad + yd^r = aa^r + load + ra^r + rad$$

$$a^r + ad - 1rad = 0 \rightarrow (a + rd) \left(a - \frac{r}{r}d \right) \rightarrow \begin{cases} a=1 \\ a=f/d \end{cases}$$

$$a = rb - c$$

$$a^r = bc$$

$$(rb - c)^r = f b^r - f b c + c^r = bc \rightarrow (b - 1) \left(b - \frac{1}{f} \right) = 0 \quad \begin{matrix} \nearrow \\ -\frac{1}{f} \end{matrix}$$

$$cr^r = br = a \rightarrow r = -\frac{1}{f}$$

$$ar^1 \quad fa = (r + b)$$

$$\frac{ar}{ar} = -\frac{1}{f}$$

$$\frac{ar}{ar} + \frac{ar^a}{ar^r r^r} = r \rightarrow \frac{r}{a} + \left(\frac{r}{a} \right)^r \rightarrow \begin{cases} \frac{r}{a} = 1 \\ \frac{r^r}{ar} = 1 \end{cases}$$

$$\frac{ar}{ar} = 1$$

$$a^r = \sqrt{a r^r} \rightarrow a^r = r \quad a = ar \quad a^a = ar^r = r^r = 1 \times r^r \rightarrow r = r$$

$$a = \frac{1}{r} \rightarrow a = \frac{1}{r}$$

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