

1910

پنجشنبه

تاریخ

$$c = 0, 1, a, 1r, 1r$$

$$\begin{matrix} +1 & +f & +v & +1a \\ +w & +w & +w & \end{matrix}$$

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

$$c = 0 \rightarrow \frac{r}{r}(1)^r + b(1) + 0 = 1$$

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

1

$$a_n = \frac{r}{r} n^r = \frac{1}{r} n \rightarrow a = \frac{r}{r} \times 1 = \frac{1}{r} \times 1 = 1 \text{ fa}$$

$$c = 0, a, 1, r$$

$$\begin{matrix} +1 & +r \\ +1 & +1 \end{matrix}$$

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

$$c = 0 \rightarrow \frac{1}{r}(1)^r + b(1) + 0 = 0$$

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

5

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

$$n(n-1) = 11 \rightarrow n = 11$$

رنگی

سبز

$$f_0 + f_A = 11A$$

110

$$a, a, 1r$$

$$\begin{matrix} +f & +f \end{matrix}$$

$$a, f, 1$$

$$\begin{matrix} +f & +f \end{matrix}$$

$$110 + 10 = 120$$

$$a_n = f_{n+1}$$

$$a_n = f_{n-1}$$

$$a_{11} = f_{11+1} = f_{12}$$

$$a_{11} = f_{11-1} = f_{10}$$

$$\frac{1}{r}, \frac{1}{r}, \frac{1}{r}, \frac{1}{r}, \dots$$

تکانه‌ها

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

9

$$b_r = (-r)^r - v(r) = -r^r - r = -r^r - r$$

$$-r^r = -dn + rr$$

$$n = 1r = r$$

8

$$a_0 - a_v = a_v + rd - a_v = 1r \rightarrow rd = 1r$$

$$d = r$$

4

$$a_4 - a_1 = a_1 + ad - a_1 = ad = a(r) = 1r$$

$$a_r = v$$

5

$$a_r = a_v + rd = 1a$$

$$a_n = f_{n-1} \rightarrow f(1) = 1r$$

$$rd = 1a \rightarrow d = r$$

$$1 = f(r) = 1r$$

$$c = a, r, 11, 19, \dots$$

$$b_n = 1n - a$$

Parsian

1 /

$$\begin{array}{ccccccc} & + & & + & & + & \\ & \downarrow & & \downarrow & & \downarrow & \\ 1 & , & 4 & , & 16 & , & 64 & , \dots \end{array} \rightarrow a_n = 4n-3$$

$$\begin{array}{ccccccc} & + & & + & & + & \\ & \downarrow & & \downarrow & & \downarrow & \\ 1 & , & 4 & , & 16 & , & 64 & , \dots \end{array} \rightarrow a_n = 4n-3$$

$$c_n = \frac{4n-3}{4n-3} = 1$$

$$4n-3 < 4n+9$$

$$4n < 12 \quad n < \frac{12}{4} \quad n < 3 \rightarrow 1, 2$$

(S)

$$c = 0, 4, 9, 16, 25, \dots$$

$$\begin{array}{ccccccc} & + & & + & & + & \\ & \downarrow & & \downarrow & & \downarrow & \\ 0 & , & 4 & , & 9 & , & 16 & , \dots \end{array}$$

$$4 = -\frac{r}{r}(1)^r + b(1) + 0$$

$$b = \frac{4a}{r}$$

$$a_n = -\frac{r}{r} n^r + \frac{4a}{r} n \rightarrow r(-\frac{r}{r}) + 4(\frac{4a}{r}) = 4r$$

(S)

$$c = -4, -9, -16, -25, \dots$$

$$\begin{array}{ccccccc} & + & & + & & + & \\ & \downarrow & & \downarrow & & \downarrow & \\ -4 & , & -9 & , & -16 & , & -25 & , \dots \end{array}$$

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

$$c = -4$$

$$-4 = 1(1)^r + b(1) - 4$$

$$b = -1 \quad a_n = n^r - n - 4$$

(S)

$$a = 1$$

$$a_f = a_v + r d = f1$$

$$r d = 10 \rightarrow d = 2$$

$$b = 4n + 1$$

$$n^r - n - 4 = 4n + 1$$

$$n(n-4) = 25 \rightarrow n = 9$$

$$a_n = b_n = 4(9) + 1 = 37$$