

تلاش برای درست پیروزی فتح



- دانلود گام به گام تمام دروس ✓
- دانلود آزمون های قلم چی و گاج + پاسخنامه ✓
- دانلود جزو های آموزشی و شب امتحانی ✓
- دانلود نمونه سوالات امتحانی ✓
- مشاوره کنکور ✓
- فیلم های انگیزشی ✓

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$$\therefore A = \{1, 2, 4, 6, 8, 9\} \quad \text{أ وضـ ١ بـ ٤ وـ ٦ وـ ٨ وـ ٩}$$

(۵) می تو اندر مسراکختنگد ب ( ج ز ی قر د د د نچ ه عمجهن یا رد دجم

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|---|--|----------------------------------|-------------------|-------------------|-------------------|
|   | ٥,٨,١١١,٤١,٦٠  |                                  |                   |                   | X                 |
|   | ٤,١,٤,١,...  |                                  |                   | X                 |                   |
|   | ١, $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{1}{5}$ , ... | ٣                                | X                 | X                 |                   |
|   | $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}$                   |                                  | X                 |                   | X                 |

$$a_{n+1} = \begin{cases} \frac{1}{2}a_n & \text{if } n \text{ is even} \\ 3a_n + 1 & \text{if } n \text{ is odd} \end{cases}$$

لذ

$$\Delta g = 2$$

$$y = 4x - 1$$

پاسخنامہ تشریحی

:  $\rho \in \omega \backslash y.E$   $\Leftarrow x \in A$   $\Rightarrow \exists x.C$   $B$

$$A \rightarrow B \rightarrow C \rightarrow D \vdash A \rightarrow E \rightarrow D$$

$$\circ \Rightarrow \mathbb{M} = \mathbb{M} \times x \times \mathbb{M} + y \times \mathbb{M}$$

$$\circ \Rightarrow r = rx + ry \rightarrow \boxed{d = x + y}$$

$$x+y=\Delta \xrightarrow{x,y \in \mathbb{N}} \begin{cases} x = \textcircled{一} \rightarrow y = \textcircled{四} \checkmark \\ x = \textcircled{二} \rightarrow y = \textcircled{三} \checkmark \\ x = \textcircled{三} \rightarrow y = \textcircled{二} \checkmark \\ x = \textcircled{四} \rightarrow y = \textcircled{一} \checkmark \\ x = \textcircled{五} \rightarrow y = \textcircled{六} \times \end{cases}$$

$$C( \underline{\underline{m}} ) = \frac{m!}{m! \times q!} = \cancel{\frac{m!}{m!}} \times \cancel{\frac{1}{q!}} = 1$$

$$C(22) = \frac{2 \times 2}{2} = 2$$

$$n(S) = \binom{\circ}{\text{v}} = \frac{\circ \times \cancel{\text{v}} \times \cancel{\text{v}}}{\cancel{\text{v}} \times \cancel{\text{v}}} = \text{v}$$

$$n(A) = \underbrace{\binom{5}{2} \times \binom{5}{3}}_{\text{رقم اول}} + \underbrace{\binom{5}{3} \times \binom{5}{0}}_{\text{رقم اثنان}}$$

$$= \circ \times + \times \bullet \Rightarrow P(A) = \frac{5}{2} =$$

$$n(B) = \binom{5}{2} \times \binom{3}{1} \times \binom{2}{1}$$

$$= \emptyset \times \emptyset \times \emptyset = \emptyset \Rightarrow P(B)^\emptyset = \frac{\emptyset}{\emptyset} = \emptyset$$

$$+\frac{1}{n} \Rightarrow n(S) = \binom{n}{r} = \frac{r \times (r-1) \times \dots \times 1}{n \times (n-1) \times \dots \times 1} = r!$$

$$n(A) = \binom{5}{2} \times \binom{5}{5} + \binom{5}{3} \times \binom{5}{4} + \binom{5}{4} \times \binom{5}{3}$$

— ०५४ —

$$S = \{ \lambda, \dots, \lambda \} \Rightarrow n(S) = \lambda$$

$$M \vdash A \rightarrow \{ \text{new} \} \quad \lambda \rightarrow n(A) \models \mathbf{C} \rightarrow \dots$$

$$P(A) = \frac{1}{4} = -$$

و حاصلت مذکونه ماست :

$$\cup)B=\{1\text{--}\infty\} \Rightarrow n(B)=1 \Rightarrow \cup$$

$$P(B) = \frac{\delta}{\lambda}$$

$$\Rightarrow C = \{ \text{w} \} \Rightarrow n(C) = 1 \Rightarrow \text{w}$$

$$P(C) = \frac{r}{A} = \frac{1}{r}$$

C عدد مضربي بالله .

$$n(S) = \frac{1}{\sqrt{\mu} \times \sqrt{\mu}} = \frac{1}{\sqrt{\mu}} = \sqrt{\mu}$$

$$n(A) = \binom{1}{r} = \frac{1 \times r \times 1}{r \times r} = 1 \Rightarrow P(A) = \frac{n(A)}{n(S)} = \frac{1}{r^1} = \frac{1}{r}$$

$$n(B) = \binom{1}{2} \times \binom{5}{1} = \frac{1 \times 1}{2} \times 5 = 5 \Rightarrow P(B) = \frac{5}{68} = \frac{5}{68}$$

هـ) مسکن الطلاق دـ) بـ) مسکن الطلاق دـ) بـ) مسکن الطلاق دـ) بـ)

$$n(C) = C_2^1 \times C_1^5 + C_3^1 \times C_5^2 = \left(\frac{1}{2}\right) \times \left(\frac{5}{1}\right) + \left(\frac{1}{3}\right) \times \left(\frac{5}{2}\right)$$

$$P(C) = \frac{0.0}{0.1} = 0.0$$

$$\text{ف} \quad S = \{139\cdots, 1\}$$

.)  $A = \{3, 9, 15\}$

پ B = { ۱۹ }

$$\text{c) } A \cap B = \{9\} \quad , \quad A - B = \{3, 5\}$$

$$\text{ر ب) } (29) \times 5 \times 1 \times 3^3 \times (13)^2 = 2 \quad ($$

$$\text{ر ٢) } (2) \times (3 \times 5 \times 7 \times 11 \times 13) = 6 \quad ($$

$$\therefore C(6^3) = \frac{6!}{3!3!} = \frac{6 \times 5 \times 4}{3!} = 120$$

$$\therefore C(\Delta) = C^\Delta = \frac{\Delta!}{\Delta^{\Delta}} = \frac{e^{-\Delta} \Delta^\Delta}{\Delta^{\Delta}} = 1$$

۲! \times ۳! ۲

Montgomery, N.Y., N.Y.C.L.

$$(ب) \frac{35 \times 45}{42} = 11 \quad (ج)$$

$$\underline{5} \times \underline{5} \times \underline{5} = \underline{125}$$

سی اے ۱۰

$$L \times W \times H = 50 \times 50 \times 112$$

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۲

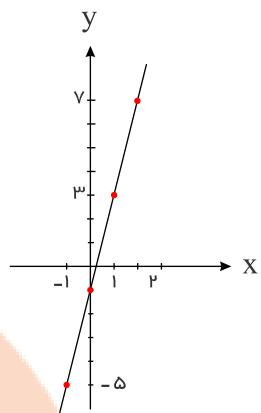
| د و خ د ب د ط ه ای | ا ب ط ه | د ن ب د ه ای | ا ب ط ه با ز ر گ ش تی                  | م لات د ن ج ا ل ه                                   |
|--------------------|---------|--------------|--|---|
| $\times$           |         |              |  | $a_{n+1} = a_n + 3$<br>$a_1 = 5$                    |
| $\times$           |         |              | $a_{n+1} = a_n + 3(-1)^n$<br>$a_1 = 4$ | $4, 1, -4, \dots$                                   |
| $\times$           |         | $\times$     | $a_{n+1} = 5$                          | $1, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \dots$   |
| $\times$           |         | $\times$     | $a_n = \frac{n}{n+1}$                  | $1, -\frac{1}{2}, \frac{1}{3}, -\frac{1}{4}, \dots$ |

$$\begin{aligned}
 & a_1 = 1 \quad a_2 = 3 \quad a_3 = 5 \\
 \Rightarrow a_1 = 1 \quad a_2 = 4 \quad a_3 = 9 \\
 a_{n+1} &= a_n + (n+1) \quad a_1 \neq 1 \\
 a_2 &= a_{1+1} = a_1 + (1+1) = 1 + (2) = 3 \\
 a_3 &= a_{2+1} = a_2 + (2+1) = 3 + (3) = 6
 \end{aligned}$$

$$\begin{aligned}
 a_{n+1} &= \begin{cases} \frac{1}{r}a_n & \text{if } n \in \mathbb{N} \\ 3a_n + 1 & \text{if } n \in \mathbb{Z} \setminus \mathbb{N} \end{cases} \\
 b_1 &= 1 \\
 n=1 &\longrightarrow a_{n+1} = 3a_n + 1 \xrightarrow{n=1} a_r = 3a_1 + 1 \xrightarrow{a_r=1} a_r = 3(1) + 1 = 4 \\
 n=r &\longrightarrow a_{n+1} = \frac{1}{r}a_n \xrightarrow{n=r} a_r = \frac{1}{r}a_r \xrightarrow{a_r=r} a_r = \frac{1}{r}(4r) = 4 \\
 n=r &\longrightarrow a_{n+1} = 3a_n + 1 \xrightarrow{n=r} a_r = 3a_r + 1 \xrightarrow{a_r=r} a_r = 3(r) + 1 = 3r + 1 \\
 n=\delta &\longrightarrow a_{n+1} = \frac{1}{r}a_n \xrightarrow{n=\delta} a_\delta = \frac{1}{r}a_\delta \xrightarrow{a_\delta=\delta} a_\delta = \frac{1}{r}(3\delta) = \frac{3}{r}\delta \\
 n=\delta &\longrightarrow a_{n+1} = 3a_n + 1 \xrightarrow{n=\delta} a_\epsilon = 3a_\delta + 1 \xrightarrow{a_\epsilon=\epsilon} a_\epsilon = 3(\frac{3}{r}\delta) + 1 = \frac{9}{r}\delta + 1
 \end{aligned}$$

$$\begin{aligned}
a_{n+1} &= \begin{cases} \frac{1}{r}a_n & \text{if } n \in \mathbb{N} \\ r a_n + 1 & \text{if } n \in \mathbb{Z} \setminus \mathbb{N} \end{cases} \\
a_1 &= r \\
n=1 &\longrightarrow a_{n+1} = r a_n + 1 \longrightarrow a_r = r a_1 + 1 \longrightarrow a_r = r(r) + 1 = r^2 + r \\
n=r &\longrightarrow a_{n+1} = \frac{1}{r}a_n \longrightarrow a_r = \frac{1}{r}a_r \xrightarrow{a_r \neq r} a_r = \frac{1}{r}(r) = 1 \\
n=r &\longrightarrow a_{n+1} = r a_n + 1 \longrightarrow a_r = r a_r + 1 \longrightarrow a_r = r(r) + 1 = r^2 + 1 \\
n=r &\longrightarrow a_{n+1} = \frac{1}{r}a_n \longrightarrow a_\delta = \frac{1}{r}a_r \xrightarrow{\Delta a_\delta = 1} a_\delta = \frac{1}{r}(1) = \frac{1}{r} \\
n=\delta &\longrightarrow a_{n+1} = r a_n + 1 \longrightarrow a_\delta = r a_\delta + 1 \longrightarrow a_\delta = r(\frac{1}{r}) + 1 = r - \frac{1}{r}
\end{aligned}$$

$$y = 4x - 1 \quad \begin{array}{|c|ccc|} \hline x & -1 & 0 & 1 \\ \hline y & -5 & -1 & 3 \\ \hline \end{array}$$



ر د ا ب ا ز ن ر د ا ب ا ز ن ا س ت ظ ن ا ز ن ا آ ز م و ن ا ر ت د ف ن ج را گه

$$f(0) = -1, \quad f(1) = 3$$

$$f(1) - f(0) = 3 - (-1) = 4$$

$$a_{n+1} = a_n + 4$$

$$a_n = 4n - 1$$

$$a_1 = 4 \cdot 1 - 1 = 3$$

$$a_2 = 4 \cdot 2 - 1 = 7$$

$$a_3 = 4 \cdot 3 - 1 = 11$$

$$a_4 = 4 \cdot 4 - 1 = 15$$

$$a_5 = 4 \cdot 5 - 1 = 19$$

$$a_6 = 4 \cdot 6 - 1 = 23$$

$$a_7 = 4 \cdot 7 - 1 = 27$$

$$a_8 = 4 \cdot 8 - 1 = 31$$

$$a_9 = 4 \cdot 9 - 1 = 35$$

$$a_{10} = 4 \cdot 10 - 1 = 39$$

$$a_{11} = 4 \cdot 11 - 1 = 43$$

$$a_{12} = 4 \cdot 12 - 1 = 47$$

$$a_{13} = 4 \cdot 13 - 1 = 51$$

$$a_{14} = 4 \cdot 14 - 1 = 55$$

$$a_{15} = 4 \cdot 15 - 1 = 59$$

$$a_{16} = 4 \cdot 16 - 1 = 63$$

$$a_{17} = 4 \cdot 17 - 1 = 67$$

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$$a_{162} = 4 \cdot 162 - 1 = 647$$

$$a_{163} = 4 \cdot 163 - 1 = 651$$

$$a_{164} = 4 \cdot 164 - 1 = 655$$

$$a_{165} = 4 \cdot 165 - 1 = 659$$

$$a_{166} = 4 \cdot 166 - 1 = 663$$

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