

$$L = 3 \quad 1 \quad 1$$

$$\left[\begin{array}{c} 1 \\ 1 \\ 1 \end{array} \right]$$

$$3 + \left[\begin{array}{c} 1 \\ 1 \\ 1 \end{array} \right]$$

$$a = 2$$

$$u = 2$$

$$v = 2$$

... به این معنی است

$$1 + 3 = 4$$

$$v = 2$$

$$a' = k \Rightarrow$$

$$3 + \left[\begin{array}{c} 1 \\ 1 \\ 1 \end{array} \right]$$

$$= \left(\frac{1}{b} + \frac{1}{a} \right) \times \dots = \dots$$

$$\left(\frac{1}{3} \right) = \frac{1}{3 \times 2} = \frac{1}{6}$$

$$\left\{ \frac{1}{3}, \frac{1}{6}, \dots \right\}$$

$$\left\{ \frac{1}{3}, \frac{1}{6}, \dots \right\}$$

$$\left(\frac{1}{4} \right) = \frac{1}{4 \times 2} = \frac{1}{8}$$

(۲)

جواب

این سری به این معنی است

۱۷۲

$t : a \rightarrow a : t$

(1)

$t_1 = 0$

$\downarrow$
 $t_1 + qd = 0$

$a_f = t_f$
 $a_n = t_v$

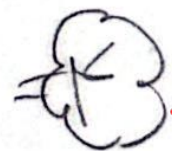
(2)

$a_1 + kd = t_1 + d'$
 $a_1 + vd = t_1 + qd$

$t_{1a} = \frac{t}{\omega} + \omega d'$

$kd = \omega d$
 $d = \frac{\omega d'}{\Sigma}$

$t_{1a} = \frac{\frac{\omega d'}{\Sigma}}{\frac{\omega d'}{\Sigma}}$



$\frac{\omega d'}{\Sigma}$

$$\frac{1}{a} = \frac{1}{a} \quad \frac{1}{b} = \frac{1}{b} \quad \frac{1}{c} = \frac{1}{c}$$

$$\frac{1}{a} + \frac{1}{b} + \frac{1}{c} = \frac{1}{a} + \frac{1}{b} + \frac{1}{c}$$

$$\frac{1}{a} + \frac{1}{b} + \frac{1}{c} = \frac{1}{a} + \frac{1}{b} + \frac{1}{c}$$

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$$(a+b)(a-b) = 0$$

$$a^2 + b^2 - ab = 0$$

$$a^2 + b^2 - ab = 0$$

$$a^2 + b^2 + ab = 0$$

$$a(a+b) = b(a+b)$$

$$a^2 + b^2 + ab = 0$$

(1)

(4)

$$\left(\frac{3}{1}\right) = \frac{a}{9^{\frac{3}{1}} - 1}$$

$$1 - \frac{a}{10} = b$$

$$9^{\frac{1}{1}} - 1 = 8$$

$$\left\{ \begin{array}{l} 1 \\ 3b - 1 \end{array} \right\} = b = \frac{b}{b}$$

ممكن ان يكون: $a \leq b$ X

$$(9a - 1)(9b - 1) = 9 - 1$$

$$9a - 1 \leq 9b - 1 \Rightarrow a \leq b$$

$$9a - 1 = 9b - 1$$

$$a = b$$

(1) (1)

(2)

$$\left(\frac{1}{1}\right) = 1 \times$$

$$9 = 1$$

$$\left(\frac{1}{1}\right) = \frac{a}{9 - 1} = \frac{\frac{3}{2}}{\frac{1}{2}}$$

$$9 - 1 = 8 \Rightarrow a = 8$$

$$(9a - 1)(9b - 1) = 9 - 1$$

$$9a - 1 \leq 9b - 1 \Rightarrow a \leq b$$

$$9a - 1 = 9b - 1 \Rightarrow a = b$$

(1) (1)

(2)

$$\left(\frac{3}{1}\right)$$

$$a + c = 16$$

(7)

(r)

$$\frac{aq^w}{aq^k} = \frac{aq}{ar} - r$$

$$\frac{q^r}{ar} + \frac{q^{1+w}}{a} = r \Rightarrow q + aq - ra^r = 0$$

$$(q + ra)(q - a) = 0$$

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

$$q = -ra$$

$$q = a$$

(132)

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

$$(a_p)^T = a_s$$

①

$$a^T q^T = q q^T$$

②

$$a q = 1$$

$$a q^T = p v \Rightarrow p v = q^T \Rightarrow q = p$$

$$a q^T = p v$$

$$a_1 = \frac{a a}{q^T} = \frac{p v}{\Delta_1} = a \Rightarrow a = -p b$$

$$\frac{1}{p} \checkmark$$

$$\frac{1}{p} - a_1 = \frac{1}{p} - \frac{1}{p} = \frac{1}{q} \checkmark$$

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$$a = \frac{-1}{\sqrt{2}} \times 1 \text{ s} = \frac{-1}{\sqrt{2}}$$

(R)

(r)

$$a_n = \frac{-1}{\omega} n^2 + bn + c$$

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$$a_{10} = \frac{-1}{\omega} \times 10^2 + 9.01$$

$$a_{10} = -\omega + \omega b + c = 1 \text{ s} \Rightarrow 2b + c = 19$$

$$a_{15} = \frac{-1}{\omega} \times 15^2 + 14.1b + c = 1 \text{ V/s} \Rightarrow 14b + c = 19$$

$$a_{10} = \frac{-1}{\omega} + 10 - 1$$

Soroush

$$\omega = \frac{1}{\sqrt{2}}$$



$$14b = 1$$

$$b = \frac{1}{14}$$

$$c = -1$$

ضابطه اول $\rightarrow a_0, a_3, a_4, a_9$

ضابطه دوم $\rightarrow a_1, a_4, a_7$

ضابطه سوم $\rightarrow a_2, a_5, a_8$

$$S_{11} = 1 + 4 + (1+a) + 2 + (1+a) + 4 + 0 + (2+a) + 8 = 19 \rightarrow a = -2$$

جمع عملیات خواسته شده از ضابطه سوم بدست میاد :

$$a_n = \left[\frac{n}{K+2} \right] - 2 \xrightarrow{n=3K+2} \left[\frac{3K+2}{K+2} \right] - 2 = \overset{\text{میاد بیرون}}{\left[2 + \frac{K-2}{K+2} \right]} - 2 = \left[\frac{K-2}{K+2} \right]$$

این عبارت به ازای $K=0$ برابر ۱- و به ازای بقیه اعداد صحفه پس جواب خواسته شده ۲-.