

۱۹,۵

آفرین صبیح خورشید نورس صدف

سلام

سارا بنا المجرى شهرى

$$\begin{aligned} a_1 + a_2 + a_3 &= 11 \rightarrow \frac{a}{q} + a + aq = 11 \\ a_1 + a_2 \times a_3 &= 14 \rightarrow 1/a = 14 \rightarrow a = 1/14 \\ \frac{a}{q} \times a \times aq &= a \end{aligned}$$

$$\textcircled{1} \quad \frac{1}{14} + \frac{1}{14} + \frac{1}{14} = 11$$

غالباً لا
مستطابق است

$$b = a \hookrightarrow (a)^1 = (a^1 + r)(a^1 - r)$$

$$x = x^1 - 1 + r x^1 \rightarrow r x^1 = x^1 - 1 \rightarrow x^1 - r x^1 = 1 \rightarrow x^1(1 - r) = 1$$

$$(x^1 - r)(x^1 + r) = 1 \rightarrow x^1 = \frac{1}{1-r}$$

$$S_V = 1 \left(\frac{1 - (\frac{1}{1-r})^n}{1 - \frac{1}{1-r}} \right) = 1 \times \frac{1 - \frac{1}{1-r}}{\frac{1}{1-r}} = 1 - \frac{1}{1-r}$$

$$q = +1$$

$$a_2 = r^2 r^3 \rightarrow a_1 + a_2 + a_3 + a_4 + a_5 = 9$$

$$r^2 r^3 + r^2 r^4 + r^2 r^5 + r^2 r^6 + r^2 r^7 = 9 \rightarrow r^2(r^3 + r^4 + r^5 + r^6 + r^7) = 9$$

$$x = \frac{r^2 - 1}{a + 1} = 1.1 \rightarrow r^2 = 1.1 \rightarrow r = \sqrt{1.1}$$

$$q = \frac{r^2}{1} = q \rightarrow q = r^2 = 1.1$$

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$$-rc + \frac{-9d}{c} \rightarrow \dots \rightarrow d = \frac{1}{c} \rightarrow a = a + 1 \cdot d = rc + ra = 1 \quad (1)$$

$$\text{also } a_{1,1} = a_{1,1} = 1 \rightarrow 1 = a_{1,1} \rightarrow 1 \cdot r \cdot a \cdot q = 1 \rightarrow \boxed{q = \frac{1}{r}} \quad (2)$$

$$a_{1,1} = a_{1,1} \quad b = ac \quad (3)$$

$$a + rd + a + rd + a + rd \rightarrow (a + rd)^T = (a + rd)(a + rd)$$

$$a^T + rda^T + 1 \cdot ra^T = a^T + rda^T + 1 \cdot a \cdot d = 2$$

$$a_{1,2} = rd + a_{1,2} = -cd \quad a_{1,2} = -1 \cdot d \rightarrow -1 \cdot d + 1 \cdot d = 0 \quad \text{ok}$$

ok

$$a_{1,2} = a_{1,2} \quad rd = \frac{1}{c}$$

$$a + d + a + rd + a + rd \rightarrow (a + rd)^T = (a + rd)(a + d)$$

$$a^T + rda^T + 1 \cdot ad = a^T + rda^T + 1 \cdot a \cdot d \rightarrow d = a$$

$$a_1 = d = \frac{1}{c} \rightarrow a_1 = a + d = rd = \frac{1}{c} \rightarrow a_{1,2} = 1 \cdot a_{1,2} = r$$

$$q = r \rightarrow a_1 = a_{1,2} = \frac{1}{c} \times r = r \quad (1 \cdot r)$$

$$ra + r \cdot a_{1,2} \rightarrow rd = ac \Rightarrow caq^T + r \cdot a_{1,2}$$

$$caq^T = a_{1,2} (r \cdot q^T) \rightarrow caq^T + r \cdot q^T \rightarrow q^T + -caq^T + r = 0$$

$$(q-1)(q-r) = 0 \rightarrow q = 1 \quad \text{ok}$$

(9)

$$a \in \mathbb{C}, a_1, a_2, d = -\frac{1}{r}$$

$$\frac{a + \frac{1}{r}d}{a - \frac{1}{r}d} = \frac{a + \frac{1}{r}d}{a - \frac{1}{r}d} \cdot \frac{1}{1} = \frac{a + \frac{1}{r}d}{a - \frac{1}{r}d}$$

$$b = acz(a - \frac{1}{r}) = (a - \frac{1}{r})(a - \frac{1}{r})$$

$$a^2 + \frac{1}{r}a - \frac{1}{r}a = a^2 + \frac{1}{r} - \frac{1}{r}a$$

$$\text{Since } a_1 = a_2 \text{ also } \rightarrow \frac{-1}{r} - \frac{1}{r} = -\frac{2}{r}$$

$$a_1 = a_2 \rightarrow \frac{-1}{r} - \frac{1}{r} = -\frac{2}{r}$$

$$\text{Since } a_1 = a_2 = -\frac{1}{r} - \frac{1}{r} = -\frac{2}{r}$$

$$a_1 = -\frac{1}{r} - \frac{1}{r} = -\frac{2}{r} \rightarrow \boxed{a_1 = -\frac{2}{r}}$$

$a_1 + a + a = \sqrt{v} \rightarrow a + aq^{\sqrt{v}} + aq^{\sqrt{v}} = \sqrt{v} \rightarrow a + 1 \cdot d \quad (10)$
 $\begin{matrix} a \\ \downarrow \\ a + d \\ \downarrow \\ a + d \end{matrix} \quad \begin{matrix} \sqrt{v} \\ \downarrow \\ a + d \\ \downarrow \\ a + d \end{matrix}$
 $b^{\sqrt{v}} = ac$
 $(a+d)^{\sqrt{v}} (a+qd)(a) = \sqrt{v}$

$$d^Y = V a d \rightarrow d = V a$$

$$v_a + 10d = \sqrt{v} \rightarrow v_a + v_0 a z \sqrt{v} \rightarrow a z 1 \rightarrow d = v a \sqrt{v}$$

حجراتِ نزدماً ممانیرِ خستید حیس مر توانند لبِ باسد!

$$q = 1 \rightarrow v_a = v^* \rightarrow a = \frac{v^*}{v}$$

~~$$a q^r - a = d \xrightarrow{r=1} \frac{v r}{r} - \frac{v r}{r} = 0 \rightarrow d = 0$$~~

Σύνο