

10 $\frac{1}{r}$ مینا کبیری کرده دهم بنویس

$$a_1, s, E_0$$

$$a_1 + r d s q_1 \rightarrow d s v$$

$$a_n s E_0 + (n-1) v = v n + r r$$

$$v n + r r s y o n \rightarrow n s r a$$

$$1, 1, 1, n, \dots, 99 v$$

$$a_n s v n + 9 r \quad v n + 9 r s 99 v \rightarrow n s 129$$

$$r a + n d + (n+1) d + (n+r) d s - 4 n + 12$$

$$r n d + r d + r a s - 4 n + 12 \rightarrow d s - r \rightarrow r a s \ln a s 9$$

$$a_{1v} + a_n = 12 - r r = -3 r$$

$$a_{1v} + d \quad a_{nvd}$$

$$r s y \rightarrow r \times r^{n+1} = r + r^n - r$$

$$r y s y + y - r + y^2 - r y - r s o$$

$$= 1/3 : r, n, 12 \rightarrow r + n + 12 = 24$$

$$y s r s r \rightarrow n s r$$

$$(y-r)(y+1) s o$$

عوض از y در $y-1$ و $y+1$ در y

$$a_{1v} - a_{1s} s r d s s \quad r d s d \rightarrow d s \frac{a}{r}$$

$$r a + r d s r a \rightarrow r a s - r a \quad a s - \frac{r a}{r}$$

$$a_{r1} = a_{r0} d = -\frac{r a}{r} + a s = 37 v \omega$$

$$\frac{a}{r} (r a + r d) = \frac{1}{r} (\omega a + r \omega d)$$

$$\omega a + 1 \cdot d = \frac{\omega a}{r} + \frac{r \omega d}{r} \rightarrow \frac{1}{r} a s \frac{a}{r} d \rightarrow r a s d$$

$$\frac{a s}{a} s \frac{a + d}{a} = r$$

$$t_n = t_{n-1} + r d \rightarrow d = \frac{t_n - t_{n-1}}{r}$$

✓

$$t_a - t_b = (t_a - t_b)(t_a + t_b) \rightarrow t_a + t_b = \frac{t_a - t_b}{r d}$$

$$r(t_a + t_b) = \frac{t_a - t_b}{d}$$

ع. برابر

$$d = \frac{r\sqrt{13} - (r(1 - \sqrt{13}))}{13} = \frac{13\sqrt{13}}{13} = \sqrt{13}$$

✓

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$$d = \frac{r^2 - r}{r n - r} = \frac{10}{r n - 1}$$

$$r n \text{ زوج } \rightarrow \text{final } \rightarrow a_{n+1} = r + n d \rightarrow n d = a \rightarrow \frac{10n}{r n - 1} = a$$

$$\rightarrow r n \leq 9 \quad \boxed{n \leq 3}$$

✓

$$a_n + a_{n+r} = a_r + a_{11} \rightarrow r n + r \leq r \rightarrow n \leq 1$$

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$$a_n = r a_r \rightarrow (a + r d) = r(a + r d)$$

$$a + r d = n$$

$$a + r d = \frac{n}{r}$$

$$r d = \frac{n}{r} \rightarrow d = \frac{n}{r^2} \quad a = -\frac{n}{r} \rightarrow a + d = 0$$

$$\boxed{a = 0} \quad \text{ع. برابر}$$

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