

Subject: _____

Date: _____

۱۹, ۵

امیرعلی میرزائی

پایان نامه

تالیف ۱۵ لاس دهر A

۱- (۲)

$$a \times a^9 \times a^9 = a^9 = 9^4 \rightarrow a^9 = 4$$

حاصل ۴

$$a + a^9 + a^9 = 21 \rightarrow a + a^9 = 17 \rightarrow a(9+1) = 17 \rightarrow 9 < \boxed{\frac{1}{4}} \checkmark$$

حاصل ۱/۴

$$a^9 \times a \times a^9 = 9^4 \rightarrow a^3 = 9^4 \rightarrow a = 4 \rightarrow 4^9 + 4 + 4^9 = 21 \rightarrow 4^9 + 4^9 = 17$$

$$\rightarrow 9 < \boxed{\frac{1}{4}} \checkmark$$

حاصل ۴

حاصل ۱/۴

$$x^2 + 4, 2x, x^2 - 2 \rightarrow 4x^2, (x^2 - 1)(x^2 + 4), x^2 - 2x - 1 \rightarrow 150$$

(۲)

$$\rightarrow x^2 = y \rightarrow y^2 - 2y - 1 = 0 \rightarrow y = 1 + \sqrt{2}$$

$$\rightarrow t_1 = 1, t_2 = 4 \rightarrow 9 = \frac{1}{y} \rightarrow 5v = a_1 \times \frac{(9^n - 1)}{(9 - 1)} = 11 \times \frac{\frac{1}{y} - 1}{\frac{1}{y} - 1}$$

$$= \frac{12V}{11} = 10, 11V$$

$$1 + 9 + 9^2 + 9^3 + 9^4 = \frac{121}{11} \rightarrow a + a^9 + a^9 + a^9 + a^9 = y$$

$$\rightarrow a(1 + 9 + 9^2 + 9^3 + 9^4) = y \rightarrow 243 \times \frac{121}{11} = y$$

دقت!

(۱, ۷۵)

$$\rightarrow y = \frac{243 \times 11}{11} = 243$$

$$A = \frac{r+1}{r} = r+1, B = \frac{r+1}{r} = r+1, \quad (r) - r$$

$$\rightarrow A+B < r+1+1 = r+2 \checkmark$$

$$t_n = -r, \frac{-90}{r} \rightarrow d = \frac{1}{r} \rightarrow t_n = \frac{1}{r}n - \frac{r+1}{r} \quad (r) - r$$

$$\rightarrow t_{10} = r+1 - r = 1$$

$$\rightarrow a_n = 121 \times a_r \rightarrow 121 \times 9^r \rightarrow 9^r = \frac{1}{121} \rightarrow 9 = \frac{1}{r} \checkmark$$

$$a+r, a+r, a+r \rightarrow a+r, a+r, a+r = a+r, a+r, a+r \quad (r) - r$$

$$\rightarrow r a + r d = 0 \rightarrow d(r a + r d) = 0 \rightarrow d = 0 = \frac{0}{a} \checkmark$$

$$a+d, a+r, a+r \rightarrow (a+r)^r = (a+r)(a+r) \quad (r) - r$$

$$\rightarrow a^r + r a d + r d^r = a^r + r a d + r d^r \rightarrow r a d = r d^r \rightarrow r d (a-d) = 0$$

$$\rightarrow d < a \checkmark \rightarrow a+r, a+r, a+r \rightarrow$$

$$r a, r a, r a \rightarrow t_{10} = \frac{1}{r} \times r^r = r^r = 121 \checkmark$$

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$$r^2 q^2 + r q q' + a q'^2 \rightarrow r^2 q^2 = q^2 + r^2 q^2 \rightarrow q^2 (r^2 + 1), \quad r^2 q^2 \quad (r)$$

$$\rightarrow r^2 + q^2 = \frac{r^2 q^2}{q^2} + r^2 \rightarrow q^2 - r^2 + r^2 \rightarrow (q^2 - r^2) / (q^2 - 1)$$

$$\rightarrow q < \begin{cases} 1 \text{ X} \\ r \end{cases} \rightarrow q < r \quad \checkmark$$

$$t_n = -\frac{1}{r} n + r \frac{1}{r} \rightarrow t_n = \frac{0}{r} + t_n = \frac{1}{r} + t_n = -1 \quad q$$

$$\frac{0}{r} + n = \frac{1}{r} + n = -1 + n \rightarrow (n + \frac{1}{r}) (n - 1) (n + \frac{0}{r})$$

$$\rightarrow n^2 + \frac{n}{r} + \frac{1}{r} = n^2 + \frac{n}{r} - \frac{0}{r} \rightarrow \frac{n}{r} + \frac{r}{19} = 0 \quad (r)$$

$$\rightarrow r n = -r \rightarrow n = \frac{-r}{r} = -0,20$$

$$\rightarrow \frac{0}{r} = 0,20, \frac{1}{r} = 0,20, -1 = 0,20 \rightarrow -r = 0 = 9,20$$

$$\rightarrow q = \frac{-0}{-r} = \frac{0}{r} = 1,20 \quad \checkmark$$

$(t_n)^r = (t_n)(t_n)^r$

$$a + a + d + a + qd = V^r \rightarrow (a + d)^r = a(a + qd) \rightarrow (r) -1.$$

$$a^r + r a d + d^r = a^r + q a d \rightarrow V a d \rightarrow d(d - V a)$$

$$\rightarrow d < 0 \rightarrow d = 0 \quad \left. \begin{array}{l} V a \rightarrow V r a, V r \rightarrow a \leq 1 \rightarrow d \leq V a = V \\ d < V \end{array} \right\} \quad \checkmark$$

TANDIS