

$$t_1 + t_1 r + t_1 r^2 = 21$$

$$\frac{a}{q} \times a \times a q = 96 \Rightarrow a^2 = 96 \Rightarrow a = 4$$

$$\frac{r}{q} + 4 + 4q = 21 \xrightarrow{\times q} r + 4q + 4q^2 = 21q$$

$$\rightarrow 4q^2 - 17q + 4 = 0$$

$$4q^2 - 17q + 4 = 0 \Rightarrow (q-1)(q-14) = 0 \Rightarrow q = 1 \text{ or } 14$$

$$4a^2 = a^2 + 2a^2 - 8 \Rightarrow a^2 - 2a^2 - 8 = 0$$

$$(a^2 - 4)(a^2 + 2) = 0 \Rightarrow a^2 = 4 \Rightarrow a = \pm 2$$

$$\text{If } a = 2 \Rightarrow 16 \neq 8 \Rightarrow \text{SV} = 2x \left(\frac{1}{2} - 1 \right) = -x$$

$$t_1 = 242 \Rightarrow t_1 + t_1 r + \dots + t_1 r^5 = t_1 (1 + r + r^2 + r^3 + r^4 + r^5)$$

$$242 \times \frac{121}{11} = 266$$

$$\text{حساب} = 1000000 \times 64 \Rightarrow 1 + 6d = 64 \Rightarrow 6d = 63 \Rightarrow d = \frac{21}{2}$$

$$t_4 = 1 + \left(\frac{21}{2} \times 3 \right) = 32.5$$

$$\text{حساب} \Rightarrow 1000000 \times 64 \Rightarrow 1 \times r^3 = 64 \Rightarrow r = 4$$

$$t_4 = 1 \times r^3 = 64$$

$$32.5 + 8 = 40.5$$

$$\frac{-242}{-97} = \frac{95}{4} \dots \Rightarrow t_{101} = t_1 + 100d \Rightarrow -\frac{95}{4} + 100 \neq 1$$

$$\text{حساب} = 128, a_2, \dots \Rightarrow t_8 = 1 \Rightarrow 128 \times r^7 = 1 \Rightarrow r^7 = \frac{1}{128} \Rightarrow r = \frac{1}{2}$$

$$\text{هندس} = \frac{t_1 + r d}{a} \text{ و } \frac{t_1 + r d}{b} \text{ و } \frac{t_1 + r d}{c}$$

$$b^r = ac \Rightarrow (t_1 + r d)^r = (t_1 + r d)(t_1 + r d) \Rightarrow t_1^r + r d t_1 + r^2 d^2 = t_1^r + r d t_1 + r^2 d^2$$

$$- r^2 d^2 = r d t_1 \Rightarrow t_1 = -r d$$

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$$- r d \text{ و } - r d \text{ و } - r d \rightarrow r = \frac{1}{r}$$

$$r = \frac{1}{r}$$

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$$\text{هندس} = \frac{t_1 + d}{a} \text{ و } \frac{t_1 + r d}{b} \text{ و } \frac{t_1 + v d}{c}$$

$$b^r = ac \Rightarrow t_1^r + r d t_1 + r^2 d^2 = t_1^r + r d t_1 + v d^2$$

$$r d t_1 = r d^2 \Rightarrow d = t_1$$

$$\frac{t_1 + d}{r d} \cdot \frac{t_1 + r d}{r d} \cdot \frac{t_1 + v d}{r d} \Rightarrow r = r \Rightarrow t_1 = t_1 r^9 \Rightarrow \frac{1}{r} \times r^9 = 1 r^8$$

$$\text{حاجه} = \frac{r t_1 r}{a} \text{ و } \frac{r t_1 r}{b} \text{ و } \frac{r t_1 r}{c}$$

$$b = \frac{a+c}{r} \Rightarrow r b = a+c \Rightarrow r t_1 r = r t_1 r + t_1 r \Rightarrow r t_1 r = t_1 (r+r)$$

$$r t_1 r = r+r \Rightarrow r^2 - r + r = -$$

$$r = r$$

$$(r-1)(r-1) = 0 \Rightarrow r = 1$$

$$\left(\frac{1}{r} + r\right)(1+r) = \left(\frac{1}{r} + r\right)r$$

$$\text{حاجه} = \frac{\Lambda}{r} \text{ و } \frac{v}{r} \text{ و } \dots$$

$$\text{هندس} = \frac{\Lambda}{r} + r \text{ و } \frac{1}{r} + r \text{ و } r - 1$$

$$t_f = \frac{\Lambda}{r} + \frac{r}{r} = \frac{\Lambda}{r}$$

$$t_a = \frac{\Lambda}{r} - \frac{v}{r} = \frac{1}{r}$$

$$t_{10} = \frac{\Lambda}{r} - \frac{10}{r} = -1$$

$$x + \frac{1}{19} + \frac{x}{r} = x + \frac{x}{r} - \frac{0}{r}$$

$$(-19, -19, -4, 19) \rightarrow \frac{dr}{dt} = 8 = \frac{0}{r}$$

$$\frac{x}{r} = -\frac{19}{19} \Rightarrow x = -\frac{19}{19}$$

$$-\frac{11}{\Lambda} \text{ و } -\frac{19}{\Lambda} \text{ و } -\frac{19}{\Lambda} \rightarrow r = \frac{19}{11}$$

$$\text{هندس} = \frac{t_1}{a} \text{ و } \frac{t_f}{b} \text{ و } \frac{t_v}{c} \Rightarrow \frac{t_1}{a} \text{ و } \frac{t_1 + d}{b} \text{ و } \frac{t_1 + r d}{c}$$

$$t_1^r + d^r + r d t_1 = t_1^r + r d t_1 \Rightarrow d^r = r d t_1 \Rightarrow d = r t_1$$

$$\frac{t_f}{t_1} = r \Rightarrow r^r = r \Rightarrow r = r \Rightarrow t_1 (1 + r^r + r^r) = v r \Rightarrow t_1 = 1$$

$$a \rightarrow a \rightarrow a \rightarrow a \rightarrow a \rightarrow a \rightarrow a \rightarrow a \rightarrow a \rightarrow a$$

$$t_f = a \Rightarrow t_1 + r d = a \Rightarrow r d = v \Rightarrow d = \frac{v}{r}$$

$$a = a \rightarrow a = v r \rightarrow d = 0$$