

Sub:

(طاهجری)

$$a_1 - a_2 - a_3$$

$$\frac{a_2}{4} \times a_2^2 \times a_2^2 = 4\varepsilon \quad a_2^2 = \varepsilon$$

$$a_1 + a_3 = \frac{a_2}{4} + a_2^2 = 1V \xrightarrow{\times 4} a_2^2 + a_2^2 = 1V4$$

$$a_2^2 - 1V4 + a_2 = 0 \rightarrow \varepsilon q^2 - 1V4 + \varepsilon = 0$$

$$(\varepsilon q - 1)(q - \varepsilon) \Rightarrow 4q^2 - 1V4 + \varepsilon \quad 4 \begin{matrix} \nearrow + \varepsilon \\ \searrow \frac{1}{\varepsilon} \end{matrix} \quad \left(\frac{1}{\varepsilon} \right)$$

$$(q = \frac{1}{\varepsilon})$$

$$\frac{a_2}{a_1} = \frac{a_3}{a_2} \rightarrow \frac{r n}{n^2 + \varepsilon} = \frac{n^2 - r}{r n}$$

$$\varepsilon n^2 = n^2 + r n^2 - 1 \rightarrow n^2 - r n^2 - 1 = (n^2 + r)(n^2 - \varepsilon)$$

$$n^2 \begin{matrix} \nearrow -r \\ \searrow +\varepsilon \end{matrix} \quad n \begin{matrix} \nearrow -\sqrt{r} \\ \searrow \pm r \end{matrix} \quad n = +r \rightarrow (q > 0)$$

$$a_1 - a_2 - a_3 \dots$$

$$1 - \varepsilon - r \dots$$

$$sv = \frac{1}{r} \times \left(\frac{\frac{1}{r} - \frac{1}{r}}{\frac{1}{r}} \right) = \frac{1V}{1V} \times 1$$

Date:

Sub:

$$r\varepsilon w (1 + q + q^2 + q^3 + q^4) = \frac{121}{11}$$

 $\downarrow$
 a_1

$$a_1 + a_1 q + a_1 q^2 + a_1 q^3 + a_1 q^4 = 121 \times w = 32w$$

$$\frac{r\varepsilon}{1} = q^{n+1} \quad q = r \quad a_1 q^3 = 1$$

$$\frac{r\varepsilon - 1}{r} = \frac{r^4}{r} = 10/11 = d$$

$$a_1 + 32d = 1 + 32/11 = 35/11$$

$$q = \pm 1$$

$$35/11 + 1 = 46/11$$

$$35/11 - 1 = 24/11$$

$$-2\varepsilon, -\frac{9d}{2}, \dots$$

$$d = -\frac{9d}{2} + \frac{9r}{2} \Rightarrow \frac{1}{2}$$

$$a_{101} = -2\varepsilon + (100) \frac{1}{2} = 1$$

$$121, a_2, \dots$$

$$\frac{a_2}{a_1} = \frac{121}{1}$$

$$\rightarrow a q^{-4} = 121 \quad (q = \frac{1}{r})$$

$$t_r, t_v, t_q \Rightarrow a_1, a_2, a_3$$

$$\downarrow \quad \downarrow \quad \downarrow$$

$$\frac{a_1 + r\varepsilon d}{a_1 + r\varepsilon d} = \frac{a_1 + 11d}{a_1 + r\varepsilon d}$$

$$\cancel{a_1} + 32d^2 + 12a_1 d = \cancel{a_1} + 12d^2 + 10a_1 d$$

$$20d^2 = -2a_1 d$$

$$t_r = -11d$$

$$10d = -a_1$$

$$t_v = -\varepsilon d$$

$$(d = \frac{-a_1}{11})$$

$$t_{10} = -2d$$

Date:

Sub:

$$a_1, a_2, a_3 \Rightarrow t_1, t_2, t_3$$

-v

$$\frac{a_1 + \mu d}{a_1 + d} = \frac{a_1 + \nu d}{a + \mu d} \longrightarrow$$

$$\cancel{a_1} + \mu d^r + \mu d a_1 = \cancel{a_1} + \nu d^r + \mu a_1 d$$

$$\mu d^r = \mu a_1 d \quad \mu d = \mu a_1 \rightarrow a_1 = d$$

$$t_1 \rightarrow \mu d$$

$$t_2 \rightarrow \epsilon d$$

$$4 \rightarrow \frac{\mu d}{\epsilon d} = (2)$$

$$0.12 \times \frac{1}{\epsilon} = 121$$

$$t_3 \rightarrow \mu d$$

$$\alpha_1 = \frac{1}{\epsilon}$$

$$\frac{d^r}{a_1} = \frac{1}{\epsilon} \quad \frac{d^r}{a_1} = \frac{1}{\epsilon}$$

$$\cancel{a_1} \mu a_1, \mu a^r, a^r \rightarrow t_1, t_2, t_3$$

-v

$$a^r - \mu a^r = \mu a^r - \mu a_1$$

$$a^r (a - \mu) = \mu (a - \mu)$$

$$a^r - \mu = \mu a - \mu$$

$$a^r - \mu a + \mu = 0$$

$$(a - 1)(a - \mu) = 0$$

$$a^r, a^r, a^r$$

$$a = 1$$

$$= \mu$$

$$\begin{array}{ccc} 1, 1, 1 & 1, 1, 1 & 1, 1, 1 \\ (1=1) & (1=1) & (1=1) \end{array}$$

تأیید

$$(1=1)$$

Date:

Sub:

$$d = -\frac{1}{\varepsilon}$$

.9

$$t_\varepsilon, t_\Lambda, t_\Lambda \rightarrow \frac{a}{\varepsilon} + n, \frac{1}{\varepsilon} + n, -1 + n$$

$$\frac{\frac{1}{\varepsilon} + n}{\frac{a}{\varepsilon} + n} = \frac{n-1}{\frac{1}{\varepsilon} + n}$$

$$\cancel{a} + \frac{1}{\varepsilon} n + \frac{1}{\varepsilon} = \cancel{a} + \frac{1}{\varepsilon} n - \frac{a}{\varepsilon}$$

$$\frac{1}{\varepsilon} n = -\frac{a}{\varepsilon} \quad n = -\frac{a}{\varepsilon}$$

$$a_1, a_2, a_3 \rightarrow -\frac{1}{\varepsilon}, -\frac{r_0}{\varepsilon}, -\frac{r_0}{\varepsilon}$$

$$q = \frac{-\frac{r_0}{\varepsilon}}{\frac{-r_0 \varepsilon}{\varepsilon}} = \frac{-\frac{r_0}{\varepsilon}}{-\frac{r_0}{\varepsilon}} = \frac{a}{\varepsilon}$$

$$a_1, a_\varepsilon, a_V \Rightarrow t_1, t_\varepsilon, t_{10}$$

.10

$$\mu a_1 + 10d = V\mu$$

$$\frac{a_\varepsilon}{a_1} = \frac{a_V}{a_\varepsilon} \rightarrow \frac{a_1 + d}{a_1} = \frac{a_1 + qd}{a_1 + d}$$

$$\cancel{a_1} + d + r a_1 d = \cancel{a_1} + q a_1$$

$$d = V a_1$$

$$\mu a_1 + 10d = V\mu a_1 = V\mu \quad \boxed{a_1 = 1}$$

$$\boxed{d = V}$$

$$\underline{U} \cdot d = 0 \quad \mu a_1 = V\mu$$

$$\boxed{a_1 = \frac{V\mu}{\mu}} \quad \boxed{d = 0}$$