



$$\alpha = \frac{-a_0}{V_0} = \frac{-1F}{V_0} = -\frac{1}{\omega}$$

$$19 = \omega b + c \quad \uparrow$$

$$a_n = an^r + bn + c$$

$$n = \omega \rightarrow 1F = \frac{1}{\omega} (P\omega) + \omega b + c = -\omega + \omega b + c$$

$$n = V \rightarrow 1V, P = -\frac{1}{\omega} (FV) + Vb + c = 1V, P$$

$$\begin{aligned} Vb + c &= PV \\ -\omega b + c &= 19 \end{aligned}$$

$$\begin{aligned} Vb + c &= PV \\ P\omega b + c &= -1 \end{aligned}$$

$$Pb = 1 - c \quad b = \frac{1-c}{P}$$

$$a_{1\omega} = PV\omega\alpha + \omega b + c - \omega - F\omega + c_0 - 1 = 1F$$

$$a_1 = \frac{-1}{\omega} + \frac{F}{P} = \frac{1F}{1\omega}$$

$$\frac{a_{1\omega}}{a_1} = \frac{\frac{1F}{1}}{\frac{1F}{-1\omega}} = \frac{1\omega}{1} \quad \text{برابر}$$

$$L_{10} = 0 \rightarrow L_n = Kn + m \rightarrow$$

$$L_{10} = 10K + m = 0 \rightarrow m = -10K$$

$$L_n = Kn - 10K \rightarrow K(n - 10)$$

$$L_P = K(P - 10) = -1K$$

$$L_V = K(V - 10) = -3K$$

$$a_n = a_1 + (n-1)d \rightarrow$$

$$\begin{aligned} a_P &= -1K \rightarrow a_1 + Pd = -1K \\ a_V &= -3K \rightarrow a_1 + Vd = -3K \end{aligned} \quad \left. \begin{aligned} & \\ & \end{aligned} \right\} \begin{aligned} Pd &= -1K \\ Vd &= -2K \end{aligned}$$

$$d = \frac{-2K}{P}$$

$$L_{1\omega} = K(1\omega - 10) = \omega K$$

$$\frac{L_{1\omega}}{d} = \frac{\omega K}{\frac{-2K}{P}} = \left(\frac{P}{-2} \right)$$

$$\mu \alpha_p (\frac{\mu \alpha_p}{\mu} - \alpha_1) = \omega \alpha_p \alpha$$

$$\mu \alpha_p (\alpha_1 + \mu d) = \omega \alpha_p \alpha$$

$\downarrow$
 $\alpha = \omega$

$$\mu \alpha_p = \omega \alpha \rightarrow \mu \alpha_1 + \mu d = \omega \alpha_1 \rightarrow \mu d = \mu \alpha_1$$

$$\frac{\alpha_p}{d} = \frac{\alpha_1 + \mu d}{d} \rightarrow \frac{\alpha_1 + \mu \alpha_1}{\frac{\mu \alpha_1}{\mu}} =$$

$$d = \frac{\mu \alpha_1}{\mu} \rightarrow$$

$$\frac{\mu \alpha_1}{\frac{\mu \alpha_1}{\mu}} = \frac{\mu}{\mu} = \frac{\mu}{\mu}$$

$$a, b, c \rightarrow b - a = c - b$$

$$b, \frac{a}{p}, \frac{c}{p}$$

$$\mu b = a + c \rightarrow c = \mu b - a$$

$$\frac{\frac{a}{p}}{b} = \frac{\frac{c}{p}}{\mu b} = q$$

$$\frac{a}{p b} = \frac{c}{\mu b}$$

$$a^p = b^p \text{ (C)} \rightarrow a^p = b^p (\mu b - a)$$

$$a^p = \mu b^p - a b^p$$

$$a^p + a b^p - \mu b^p = 0$$

$$\Delta = a^p b^p + \mu b^p a^p$$

$$\textcircled{1} a = \frac{-b + \mu b}{p} = \frac{a}{p} = \frac{-b \pm \sqrt{a^p b^p - \mu b^p a^p}}{p}$$

$$\textcircled{2} a = \frac{-b - \mu b}{p} = -\mu b \rightarrow a = -\mu b$$

$$\textcircled{1} \text{ C.W.B } \rightarrow q = \frac{\frac{a}{p}}{b} = \frac{\frac{b}{p}}{b} = \frac{1}{p} \times p \rightarrow \boxed{1}$$

$$\textcircled{2} \text{ C.W.B } \rightarrow q = \frac{\frac{a}{p}}{b} = \frac{-\mu b}{b} = -1 \times p \rightarrow \boxed{-p}$$

$$a, b, c$$

$$b = a q \quad c = a q^p$$

$$a q^p + \mu q - p = 0$$

$$\mu b, \mu a, c \rightarrow \mu a - \mu b = c - \mu a$$

$$p - \mu q = q^p$$

$$\frac{a q}{a q} = \frac{a q^p}{a q^p} = q^p$$

$$\begin{cases} \mu a - \mu a q = a q^p - \mu a \\ \mu a - \mu a q + \mu a = a q^p - \mu a - \mu a q = a q^p \end{cases}$$

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

جملات متایرانو - $X_{G.G.E} \rightarrow q = 1$
 $(q + \mu, q - 1) \rightarrow q = -\mu$ ✓

$$\frac{\alpha q}{\alpha \alpha} = q^{\mu} = (-\mu)^{\mu} = \frac{-q|\mu}{\mu}$$

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و α و $n=1$

$$\frac{\alpha_1 q^{\mu}}{\alpha_1^{\mu} q^{\mu}} = \dots$$

$$\frac{\alpha \alpha}{(\alpha \mu)^{\mu}} + \frac{\alpha \mu}{(\alpha)^{\mu}} = \mu$$

$$\textcircled{1} \frac{\alpha q^{\mu}}{(\alpha q)^{\mu}} = \frac{q^{\mu}}{\alpha^{\mu}}$$

$$\textcircled{2} \frac{\alpha^{\mu}}{(\alpha)^{\mu}} = \frac{\alpha q}{\alpha^{\mu}} = \frac{q}{\alpha_1}$$

$$\frac{q^{\mu}}{\alpha^{\mu}} + \frac{q}{\alpha} =$$

$$\angle + \angle = \mu$$

$$\angle^{\mu} + \angle - \mu = 0$$

$$(\angle - 1)(\angle + \mu) \rightarrow \angle = \textcircled{1} \rightarrow \frac{q}{\alpha}$$

$$\angle = \textcircled{-\mu} \rightarrow \frac{q}{\alpha}$$

$$\frac{\alpha}{q} = \frac{-1}{\mu} \text{ و } 1$$

$$\frac{1}{\mu} - \frac{1}{\mu} = \frac{1}{q}$$

$$(\alpha_1 q)^{\mu} = \alpha_1 q^{\mu}$$

$$\alpha_1 q^{\mu} = \mu V$$

$$\alpha_n = \alpha_1 q^{n-1}$$

$$q = \mu \leftarrow q^{\mu} = \mu V \leftarrow$$

$$\alpha_1 = \frac{1}{q} = \frac{1}{\mu}$$

$$\alpha_1 = \frac{1}{q} \leftarrow \alpha_1 q = 1$$

$$q \neq 0 \leftarrow \alpha_1 q^{\mu} = q^{\mu}$$

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