

$$\alpha^r - \omega \alpha + \gamma = 0 \quad \frac{\alpha + \beta}{\omega \beta^r} = ? \quad \alpha + \beta = \omega \quad \alpha \cdot \beta = \gamma \quad (1)$$

$$\beta^r - \omega \beta + \gamma = 0 \quad \alpha = \omega - \beta$$

$$\beta^r = \omega \beta - \gamma \quad \frac{\alpha}{\omega \beta^r} + \frac{1}{\omega} \beta^r \rightarrow \frac{\alpha}{\omega} \times \frac{\omega - \beta}{\omega \beta - \gamma} + \frac{1}{\omega} \beta \cdot \frac{\beta^r}{\omega \beta - \gamma}$$

$$\frac{\alpha}{\omega} \times \frac{\omega - \beta}{\omega \beta - \gamma} + \frac{1}{\omega} (\omega \beta^r - \gamma \beta) \rightarrow \frac{\gamma - \alpha \beta}{\omega (\omega \beta - \gamma)} + \frac{\gamma \beta - 1}{\omega} \times \frac{\omega \beta - \gamma}{\omega \beta - \gamma}$$

$$\frac{\gamma \omega \beta - 1}{\omega (\omega \beta - \gamma)} \rightarrow \frac{\gamma \omega (\omega \beta - \gamma)}{\omega (\omega \beta - \gamma)} = 1$$

~~$$\alpha^r - \omega \alpha + \gamma = 0 \quad \beta^r - \omega \beta + \gamma = 0 \quad \alpha + \beta = \omega \quad \alpha \cdot \beta = \gamma$$~~

$$\begin{cases} -\gamma = 9a + 13b + c \\ -\gamma = 2.22a - 1.2b + c \end{cases} \rightarrow 6.172a - 1.2b = 0 \rightarrow b = 1.2a$$

$$s = \frac{-b}{a} \rightarrow \frac{+1.2a}{a} = 1.2$$

$$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{4k^r - 4}}{1} = \frac{2}{k} k \rightarrow 4k^r - 4 = \frac{16}{9} k^r \quad \frac{4}{9} k^r = 4 \quad k^r = 9$$

$$\left[\frac{k^r}{r} \right] \rightarrow \frac{9}{r} = 4$$

$$\text{مکمل کردن} \rightarrow \frac{-2 + \sqrt{4}}{2} = -1 \rightarrow \frac{-b}{2a} \quad s = \frac{-b}{a} = -2 \quad \text{رأس} = \begin{pmatrix} -1 \\ 1 \end{pmatrix}$$

$$\text{معادله را بر} \rightarrow y = a(n+1)^r + 1 \rightarrow y = a n^r + a + r a n + 1$$

$$\alpha^r + \beta^r = \omega \rightarrow s - 2p = \omega \rightarrow 4 - 2\left(\frac{a+1}{a}\right) = \omega \quad \frac{-2a-2}{a} = 1 \rightarrow a = -\frac{2}{3}$$

$$\text{عوض از اینها} \rightarrow y = -\frac{2}{3}(n+1)^r + 1 \rightarrow -\frac{2}{3} + 1 = \frac{1}{3}$$

$$\omega \text{ میسر} \rightarrow \frac{-\omega \pm \sqrt{4\omega + 4m}}{-2} \rightarrow \left(\frac{-\omega - \sqrt{4\omega + 4m}}{-2} \right)^{1/2} \quad (2)$$

$$\omega + \sqrt{4\omega + 4m} < 9 \rightarrow \sqrt{4\omega + 4m} < 4 \quad 4\omega + 4m < 16 \rightarrow m < -\frac{9}{4}$$

$$\Delta > 0 \rightarrow 4\omega + 4m > 0 \rightarrow m > -\frac{9}{4} \quad -\frac{9}{4} < m < -\frac{9}{4}$$

$$\text{اعداد} \rightarrow -\frac{9}{4} - \frac{9}{4} = -\frac{9}{2} \rightarrow \text{مقدار}$$

$$m > 0 \quad \Delta < 0 \quad \Rightarrow \begin{cases} \frac{-b}{2a} \rightarrow \frac{1r}{2m} = \frac{r}{m} \\ \frac{-\sqrt{\Delta}}{2a} \quad \frac{r}{m} = \frac{r}{m} \end{cases} \quad \begin{aligned} \omega &= \frac{r}{m} - \frac{Vr}{m} + \omega m - 1 \\ \dot{r} &= \frac{\omega m^2 - r}{m} \end{aligned} \quad (5)$$

$$\omega m^2 - r m - r = 0 \quad \frac{r \pm \sqrt{Vr^2}}{10} \rightarrow \begin{cases} r \\ -r/10 \end{cases}$$

$$\alpha \cdot \beta = a^r \rightarrow r a - 1 = a^r \rightarrow a^r - r a + 1 = 0 \quad (a-1)^r = 0 \rightarrow a = 1 \quad (V) \\ \alpha + \beta = -r(a+1) \quad \alpha + \beta = -r(a-1)$$

$$a^r = t \rightarrow t^r - Vt - \omega = 0 \quad \frac{V \pm \sqrt{V^2}}{r} \rightarrow a^r = \frac{V + \sqrt{V^2}}{r} \rightarrow a = \pm \sqrt{\frac{V + \sqrt{V^2}}{r}} \quad (1) \\ r p^r \rightarrow r x \left(\frac{V + \sqrt{V^2}}{r} \right)^r = \omega a + V \sqrt{V^2} \quad p = - \frac{V + \sqrt{V^2}}{r} \quad \therefore$$

$$J_p = \frac{-b}{2a} \rightarrow \frac{r}{2k} = \frac{r}{k} \rightarrow \frac{-1}{k} - r = \frac{r}{k} - \frac{1}{k} - 4 \rightarrow r = \frac{r}{k} \quad (9) \\ y = r m^r - r m - r \rightarrow r - r - r = -1 \quad k = r$$

$$m a^r + m a + 1 \neq m a \quad m m^r - (1+m)m - 1 - m \neq 0 \quad (10) \\ \Delta < 0 \rightarrow (1+m)^r + (-1)(m)(-1-m) \quad (m^r + r m + r m + r m^r) < 0 \\ \omega m^r + 4m + 1 < 0 \quad m = \frac{-4 \pm \sqrt{16}}{10} \rightarrow \begin{cases} -0.4 \\ -1 \end{cases} \\ -1 < m < -0.1 \quad \text{---} \end{aligned}$$