

$$x_1 = \alpha \quad P = \frac{C}{a} = \frac{r}{r} = r\alpha^r \rightarrow \alpha^r = \frac{r}{a} \rightarrow \alpha = \pm \sqrt[r]{\frac{r}{a}} \quad (1)$$

$$x_r = r\alpha$$

$$\alpha \rightarrow \alpha = \frac{r}{a} \Rightarrow x_1 = \frac{r}{a} \quad x_r = r \Rightarrow S = \frac{a}{r} = \frac{1}{r} \rightarrow a = 1$$

$$\rightarrow \alpha = -\frac{r}{a} \Rightarrow x_1 = -\frac{r}{a} \quad x_r = -r \Rightarrow S = \frac{a}{r} = -\frac{1}{r} \rightarrow a = -1$$

$$|1 - (-1)| = \boxed{14}$$

$$\alpha + \beta = \frac{m+1f}{r^4} \quad \alpha\beta = \frac{1}{r^4} \quad (2)$$

$$\sqrt{\frac{1}{\alpha}} + \sqrt{\frac{1}{\beta}} = \omega \rightarrow \frac{1}{\alpha} + \frac{1}{\beta} + r\sqrt{\frac{1}{\alpha\beta}} = r\omega \rightarrow \frac{\alpha + \beta}{\alpha\beta} + r\sqrt{\frac{1}{\alpha\beta}} = r\omega$$

$$m+1f+r = r\omega \rightarrow m = -1 \Rightarrow -\alpha^r + r\alpha + r = 0 \Rightarrow \alpha = \frac{-r \pm \sqrt{9+1}}{-r}$$

$$\frac{-r + \sqrt{14}}{-r} \wedge \frac{-r - \sqrt{14}}{-r} = \frac{9-14}{r} = -r$$

$$\alpha\beta = -r \quad \alpha + \beta = 1 \rightarrow x^r - x - r = 0 \quad \text{بسیار معادله اصلی به این معادله پیوسته است} \quad (3)$$

$$\begin{array}{r|l} rx^r + Kx^r - 9x - r & x^r - x - r \\ \hline rx^r - rx^r - 11x & rx + 1 \end{array}$$

$$\begin{array}{r} (K+r)x^r - x - r \\ (1) x^r - x - r \\ \hline 0 \end{array} \Rightarrow K+r = 1 \Rightarrow \boxed{K = -r}$$

$$r_1\omega\alpha^r + r_1\omega\beta^r + (r_2\omega\alpha^r - r_2\omega\beta^r) = r_1\omega(\alpha^r + \beta^r) + r_2\omega(\alpha^r - \beta^r) \quad (4)$$

$$r_1\omega(r^4 - ra) + r_2((-r)(-r\sqrt{9-a})) = 9\omega - \omega a + 4\sqrt{9-a} = 11\omega + 12\sqrt{r}$$

$$-\omega a + 4\sqrt{9-a} = -\omega + 12\sqrt{r} \Rightarrow \boxed{a = 1}$$

$$x^r = t \rightarrow t^r - vt - \omega = 0 \rightarrow t = \frac{v + \sqrt{49}}{r} \quad \sqrt{z} = \alpha^r \quad (5)$$

$$\rightarrow \frac{v - \sqrt{49}}{r} \rightarrow \bar{\omega} \bar{\omega} t$$

$$x = \pm \sqrt{\frac{v + \sqrt{49}}{r}} \rightarrow S = 0 \quad P = -\frac{v + \sqrt{49}}{r}$$

$$rP^r - rSP + rS = r \left(\frac{r^4 + 49 + 12\sqrt{49}}{r} \right) = \omega 9 + v\sqrt{49}$$

$$px^p - ax + b = 0$$

$$px^p + ax - 4 = 0$$

④

$$\begin{cases} x_1 = \alpha + \frac{1}{p} & x_p = \beta + \frac{1}{p} \\ S = \alpha + \beta + 1 = \frac{a}{p} \end{cases}$$

$$-\frac{1}{p} + \frac{p}{p} = \frac{a}{p} \rightarrow \boxed{a=1}$$

$$\Rightarrow \alpha = -\frac{p}{p} \quad \beta = p$$

$$a=1 \quad b=-4$$

$$\left[\frac{ab}{p} \right] = \left[-\frac{4}{p} \right] = \boxed{-p}$$

$$\alpha + \beta = 1 \quad \alpha \cdot \beta = -\frac{b}{a} \rightarrow x^p - x - \frac{b}{a} = 0 \rightarrow x^p - x = \frac{b}{a} \rightarrow \beta^p - \beta = \frac{b}{a} = t \quad \text{⑤}$$

$$p_0 x^p + p_0 \beta^p + p_0 \beta^p - p_0 \beta = p_0 \left(1 + \frac{p\beta}{a} \right) + p_0 \left(\frac{b}{a} \right) = p_0 + 4_0 t = 1V$$

$$4_0 t = -p \rightarrow \frac{b}{a} = -\frac{1}{p_0} \quad \alpha - \beta = \frac{\sqrt{\Delta}}{|a|} = \sqrt{1 + \frac{p\beta}{a}} = \sqrt{\frac{p}{a}} = \boxed{\frac{p\sqrt{a}}{a}}$$

$$x^p - (a+1)x + a = 0$$

$$x^p - (pa+1)x + b = 0$$

①

$$x_1 = p\alpha - 1 \quad x_p = p\alpha + 1$$

$$x_1' = p\beta \quad x_p = p\beta + p$$

$$P = p\alpha^p - 1 = a \quad \alpha \rightarrow 1$$

$$S = (p(p+1)) = p\beta + p \rightarrow \beta = p$$

$$S = p\alpha = a+1 \quad \alpha \rightarrow 0 \rightarrow 0 \rightarrow 0$$

$$P = p\beta^p + p\beta = b \rightarrow \boxed{b=14}$$

$$\Rightarrow \boxed{a=3} \quad P=3$$

$$P'=p$$

$$p-3 = \boxed{p-1}$$

$$(\alpha + \beta)^p - p\alpha\beta = (-1)^p + p(m^p + 1) = 1 + pm^p + p = pm^p + 3 = \boxed{3} \quad \text{⑥}$$

$$\alpha + \beta = -1 \quad \alpha\beta = -m^p - 1$$

کوتاه ترین مسافت
با مسافت مسافرت

$$! (u^2)$$

$$-\frac{b}{pa} = \frac{S}{p} = -1 \Rightarrow \boxed{S = -p}$$

$$S^p - pP = p - p\left(\frac{a+b}{a}\right) = \omega \quad \text{⑩}$$



$$\boxed{a = -\frac{p}{p}}$$

$$S^p - pP = p - pP = \omega \rightarrow P = \frac{C}{a} = -\frac{1}{p}$$

$$\frac{C}{a} = -\frac{1}{p} \rightarrow C = -\frac{a}{p} = \frac{p}{p} = \boxed{\frac{1}{p}}$$

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