

$$\begin{aligned} \alpha \times \beta &= 2 \\ \alpha + \beta &= 5 \rightarrow \alpha = 5 - \beta \\ \beta^2 - \alpha\beta + 2 &= 0 \rightarrow \beta^2 - (5 - \beta)\beta + 2 = 0 \\ &= \beta^2 - 5\beta + \beta^2 + 2 = 0 \rightarrow 2\beta^2 - 5\beta + 2 = 0 \\ \Delta = 25 - 16 = 9 \\ \beta = \frac{5 \pm 3}{4} \Rightarrow \beta = 2 \text{ or } \beta = \frac{1}{2} \\ \alpha = 5 - \beta \Rightarrow \alpha = 3 \text{ or } \alpha = \frac{9}{2} \end{aligned}$$

$$\begin{cases} -c = 9a + 3b + c \\ -c = 1,25a - 1,5b + c \end{cases} \rightarrow 4,75a - 4,5b = 0 \rightarrow b = -1,25a$$

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$$x = -\frac{b}{a} \Rightarrow \frac{1,25a}{a} = 1,25$$

$$\frac{\sqrt{A}}{|a|} = \sqrt{k^2 - 2} = \frac{k}{\mu} k \rightarrow k^2 - 2 = \frac{14}{9} k^2 \rightarrow \frac{5}{9} k^2 = 2 \rightarrow k^2 = \frac{18}{5} \rightarrow k = \sqrt{\frac{18}{5}}$$

$$\left[\frac{k}{2} \right] = \left[\frac{\sqrt{18}}{2\sqrt{5}} \right] = \left[\frac{3}{\sqrt{5}} \right]$$

$$\frac{-a+3}{2} = -1 \rightarrow \frac{-b}{2a} = -1 \Rightarrow \frac{-b}{a} = -2 \Rightarrow b = 2a$$

$$a^2 + b^2 = 5 \rightarrow a^2 + 4a^2 = 5 \rightarrow 5a^2 = 5 \rightarrow a^2 = 1 \rightarrow a = \pm 1$$

$$y = \frac{-2}{3}(n+1)^2 + 1 \rightarrow \frac{-2}{3} + 1 = \frac{1}{3}$$

$$x_{1,2} = \frac{-a \pm \sqrt{a^2 + 4cm}}{-2} \rightarrow \left(\frac{-a - \sqrt{a^2 + 4cm}}{-2} < \frac{9}{2} \right) \times 2$$

$$-a + \sqrt{a^2 + 4cm} < 9 \rightarrow \sqrt{a^2 + 4cm} < 9 + a \rightarrow a^2 + 4cm < (9 + a)^2 \rightarrow 4cm < 18 + 18a + a^2 \rightarrow m < \frac{18 + 18a + a^2}{4c}$$

$$\Delta > 0 \rightarrow a^2 + 4cm > 0 \rightarrow 4cm > -a^2 \rightarrow m > \frac{-a^2}{4c}$$

$$\frac{-a}{c} < m < \frac{-9}{c}$$

$$m > 0 \quad \omega_1 \left| \begin{array}{c} -b \\ \frac{1}{\tau a} \\ -\sqrt{\Delta} \\ \frac{1}{\tau a} \end{array} \right. \quad \frac{1}{\tau m} = \frac{4}{m} \rightarrow \mu = \frac{4}{m} - \frac{V}{m} + \Delta m - 1 \rightarrow \mu = \frac{\Delta m - V}{m} + 4$$

$$\frac{4 - V + \Delta m}{m} = \frac{\Delta m - V}{m}$$

$$\frac{4}{\mu} = \tau$$

$$\mu m = \Delta m - V$$

$$\Delta m - \mu m - V = 0$$

$$\frac{\mu \pm \sqrt{V^2 + 4\Delta}}{1} \rightarrow -V, \Delta$$

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$$\alpha \cdot \beta = a^r \rightarrow \tau a - 1 = a^r \rightarrow a^r - \tau a + 1 = 0 \rightarrow (a-1)^r = 0 \rightarrow \boxed{a=1}$$

$$\alpha + \beta = -\tau(a+1) \quad \alpha \cdot \beta = \tau a - 1$$

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$$x^r = t \quad \tau a - \tau(1)(-a) = \tau a + \tau = 49$$

$$t^r - Vt - \Delta = 0 \rightarrow \frac{V \pm \sqrt{49}}{\tau} \rightarrow x^r = \frac{V + \sqrt{49}}{\tau} \rightarrow m = \pm \sqrt{\frac{V + \sqrt{49}}{\tau}}$$

$$rP^r \Rightarrow \tau \left(\frac{V + \sqrt{49}}{\tau} \right)^r = \boxed{49 + V\sqrt{49}} \quad P = -\frac{V + \sqrt{49}}{\tau}$$

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$$\frac{-b}{\tau a} \rightarrow \frac{\tau}{\tau k} = \frac{\tau}{k} \rightarrow \frac{-1}{k} - \tau = \frac{\tau}{k} - \frac{1}{k} - 4 \rightarrow \tau = \frac{\tau}{k} \rightarrow k = \tau$$

$$\frac{k \times \tau}{k} - \tau \left(\frac{\tau}{k} \right) - 4 \quad y = \tau m^r - \tau m - 4 \xrightarrow{\text{Stib}} \tau(1) - \tau(1) - 4 = \boxed{-1}$$

$$\frac{\tau}{k} - \frac{1}{k} - 4$$

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$$-m\tau^r + m\tau + 1 \neq -m - n \quad m\tau^r - (1+m)\tau - 1 - m \neq 0$$

$$\Delta < 0 \quad (1+m)^r - \tau(m)(-1-m)$$

$$1m^r + \tau m + \tau m + \tau m^r < 0$$

$$\Delta m^r + 4m + 1 < 0$$

$$m = \frac{-4 \pm \sqrt{14}}{1} \rightarrow -1, -0.7$$

$$-1 < m < -0.7$$

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