

$$-\frac{\Delta}{\epsilon a} = V \rightarrow \frac{b^2 + 12}{r} = V \rightarrow b = \pm \sqrt{rV} \quad \checkmark$$

۲۰ آفرین!

روحی زاده

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$$x^2 = b \quad b^2 + 2b + 3 = 0 \rightarrow b = \frac{-2 \pm \sqrt{4-12}}{2} \rightarrow \Delta < 0 \quad \left(\begin{array}{l} \text{ریشه ندارد} \\ \text{مختصی} \end{array} \right) \quad \checkmark$$

$$r - x^2 = b$$

$$t^2 - 2b - 1 = 0 \rightarrow (t+3)(t-5) = 0$$

$$r - x^2 + 2 \Rightarrow x^2 = V \rightarrow x = \pm \sqrt{V} \quad \checkmark$$

$$r - x^2 - 1 = 0 \Rightarrow \text{تفاوت}$$

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$$\alpha = 2 + \beta$$

$$\alpha + \beta = 2 + 2\beta = 3 \rightarrow \boxed{\beta = 1}, \boxed{\alpha = 3} \quad \checkmark$$

$$S = 1 \times 3 = \frac{m}{r} \rightarrow \boxed{m = 12} \quad \checkmark$$

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$$P = 2\alpha - r \rightarrow S = \alpha + \beta = 2\alpha - 1 = 2 \rightarrow \alpha = 2, \beta = 0$$

$$\rightarrow P = \frac{m-1}{r} = 0 \rightarrow \boxed{m = 1} \quad \checkmark$$

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$$\Delta > 0 \quad 12 + 12m(m-2) > 0$$

$$\alpha = \frac{1}{x} \quad P = 1 \rightarrow \frac{m^2 - 2}{-m} = 1 \rightarrow m^2 + m - 2 = 0 \rightarrow \begin{array}{l} m = 1 \rightarrow \Delta > 0 \\ m = -2 \rightarrow \Delta = 0 \end{array} \quad \boxed{m = 1} \quad \checkmark$$

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$$\alpha + \beta = m$$

$$\alpha\beta = \frac{1}{4} \Rightarrow \alpha\beta(17) = \frac{1}{4} \Rightarrow \beta = \frac{1}{4\alpha}, \alpha = \frac{9}{4}$$

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$$\alpha + \beta = \frac{9}{4} + \frac{1}{4} = \frac{10}{4} = \frac{5}{2} = \boxed{\frac{5}{2}} = m \checkmark$$

$$\Delta > 0 \Rightarrow 17 - 4m > 0 \Rightarrow m < \frac{17}{4} \checkmark$$

$$\alpha = \frac{1}{\beta} \Rightarrow \alpha + \beta = \frac{1}{\beta} + \beta = \frac{17}{4} \Rightarrow \beta = 1, \alpha = \frac{1}{4}$$

$$\alpha\beta = \frac{1}{4} = \boxed{\frac{1}{4}} \checkmark$$

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$$\left(\alpha + \frac{1}{\alpha}\right)^m = \alpha^m + \frac{1}{\alpha^m} + m\alpha^{m-1}\left(\alpha + \frac{1}{\alpha}\right) \Rightarrow \checkmark = \alpha^m + \frac{1}{\alpha^m} + m\alpha^{m-1} \Rightarrow \alpha^m + \frac{1}{\alpha^m} = \frac{1}{\alpha^m} \Rightarrow \boxed{\frac{1}{\alpha^m}} \checkmark$$

$$\alpha + \frac{1}{\alpha} = \frac{\alpha^2 + 1}{\alpha} = \checkmark$$

$$\alpha^2 - \checkmark\alpha + 1 = 0 \Rightarrow \alpha = \frac{\checkmark \pm \sqrt{\checkmark^2 - 4}}{2} = \checkmark$$

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$$\frac{-\Delta}{f_a} = \frac{-(0)}{f(1)} = \frac{120}{f} = \frac{120}{f} = \boxed{120, 0} \checkmark$$

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$$b = 0, 0 \Rightarrow \boxed{0 = \text{intercept}} \checkmark$$

$$-1.4 \times 0.0620 \Rightarrow b = \frac{-0.0872}{-1.4} = \boxed{0.062} \checkmark$$

-1.6, 0.



$$(x-1)^2 = y_{n+1} \Rightarrow x^2 - 2x + 1 = y_{n+1} \Rightarrow x^2 - 2x = 0$$

$$\boxed{x = 0, 2} \checkmark$$

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$$x^2 + 2x = (x+1)^2 \Rightarrow \boxed{x = -1} \checkmark$$

$$x + 2 > 0 \Rightarrow \boxed{x = -2} \checkmark$$

$$x^2 + 2x = x^2 + 2x \Rightarrow \boxed{x = 1} \checkmark$$

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