

سہ شنبہ



27 Jan 2026

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بہن سہ شنبہ

$$(5) \alpha + \beta = 1 \rightarrow \alpha = 1 - \beta$$

$$(7) \alpha\beta = 2$$

$$\beta = \frac{2}{\alpha}$$

$$\frac{\sum \alpha + \beta^2}{\alpha\beta^2} \Rightarrow \frac{\sum \alpha}{\alpha\beta^2} + \frac{\beta^2}{\alpha\beta^2} = \frac{\sum \alpha}{\alpha \times \frac{2}{\alpha^2}} + \frac{\beta^2}{\frac{2}{\alpha}}$$

$$= \frac{\alpha^2 + \beta^2}{2}$$

$$\frac{(\alpha + \beta)^2 - 2\alpha\beta}{2} = \frac{1^2 - 2 \times 2}{2} = \frac{1 - 4}{2} = \frac{-3}{2}$$

$$\begin{bmatrix} 1 \\ -2 \end{bmatrix}, \begin{bmatrix} -1/2 \\ -2 \end{bmatrix} \text{ are S.V.s} \rightarrow -\frac{b}{a} = \frac{1}{-2} = -0.5$$

$$\Rightarrow \frac{-b}{a} = \frac{1}{-2} \rightarrow \frac{-b}{a} = -0.5$$

$$|\alpha - \beta| = \frac{\sqrt{\Delta}}{a} = \sqrt{\frac{b^2 - 4ac}{a^2}} = \frac{\sqrt{b^2 - 4ac}}{a}$$

$$\sqrt{b^2 - 4ac} = 2a \Rightarrow 4(b^2 - 4ac) = 4a^2 \Rightarrow b^2 - 4ac = a^2$$

$$\Rightarrow 4(b^2 - 4ac) = 4a^2 \Rightarrow b^2 - 4ac = a^2 \Rightarrow \frac{4}{a} = \frac{4}{a} = 4$$

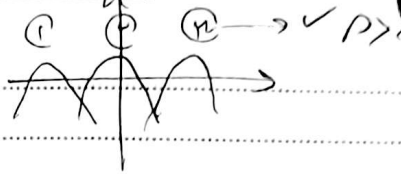
$$\frac{-b}{a} = \frac{1}{-2} \Rightarrow \frac{-b}{a} = -0.5 \Rightarrow S = -0.5$$

$$\alpha^2 + \beta^2 = S^2 - 2P \Rightarrow 1 - 2P = 0 \Rightarrow P = -\frac{1}{2}$$

$$y = a(n^2 - 5n + P) = a(n^2 - 5n - \frac{1}{2}) \rightarrow a(1 - 5 + \frac{1}{2}) = 1$$

$$\rightarrow y = -\frac{1}{2} (1 - 5 + \frac{1}{2}) = \frac{1}{2} \rightarrow C = \frac{1}{2}$$

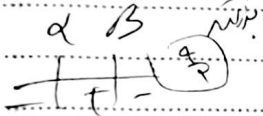
$$-m^2 + 2m + 1 = 0$$



$$3 < 9 \checkmark$$

$$P > 0 \rightarrow -m > 0 \rightarrow m < 0$$

$$P > 0 \rightarrow 2a + \sum m > 0 \rightarrow m > -\frac{2a}{\sum}$$



$$P < \frac{11}{\sum} \rightarrow -m < \frac{11}{\sum} \rightarrow m > -\frac{11}{\sum}$$

$$-\frac{11}{\sum} + \frac{\sum a}{2} + m < 0 \rightarrow -\frac{11+9}{\sum} + m < 0 \rightarrow m < \frac{9}{\sum}$$

$$-\frac{2a}{\sum} < m < -\frac{9}{\sum} \rightarrow -\frac{2a}{\sum} < -\frac{9}{\sum} \rightarrow -2a < -9 \rightarrow 2a > 9 \rightarrow a > 4.5$$

$$y_{min} = 2 \rightarrow m > 0 \rightarrow -\frac{\Delta}{\sum a} = 2 \rightarrow -\frac{(1.5\sum - 2.0m^2 + \sum m)}{\sum m} =$$

$$= \frac{2.0m^2 - \sum m - 1.5\sum}{\sum m} = \frac{2.0m^2 - m - 3.4}{m} = 2 \rightarrow 2.0m^2 - 3m - 3.4 = 0$$

$$(2m+1)(m-3) = 0 \rightarrow m = 3 \checkmark$$

$$m = -\frac{1}{2} \times$$

$$m = 3 \rightarrow y = 2m^2 + 2m + 1.5 \rightarrow \frac{-b}{2a} = 2 \rightarrow m = 2$$

$$\alpha \rightarrow a, \beta \rightarrow \alpha^2 = \frac{\alpha\beta}{\rho} \Rightarrow \alpha\beta = 2a - 1$$

$$2a - 1 = \alpha^2$$

$$\alpha^2 - 2a + 1 = 0 \rightarrow a = 1$$

جمع خالص فروش روزانه

جمع پرداخت روزانه $(\alpha - 1)^2$

سالروز حساسه مردم آمل - روز بزرگداشت صفی الدین اَرَقْوِی - روز آواها و نواهای ایرانی



یکشنبه

حائز

25 Jan 2026

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شعبان

روز چهارم

$$m^2 - \sqrt{a}m - a = 0 \rightarrow x^2 - \sqrt{a}x - a = 0$$

$$x_{1,2} = \frac{\sqrt{a} \pm \sqrt{a^2 + 4a}}{2} = \frac{\sqrt{a} \pm \sqrt{a(a+4)}}{2}$$

$$x = m^2 = \frac{\sqrt{a} + \sqrt{a(a+4)}}{2} \Rightarrow m^2 - \frac{\sqrt{a} + \sqrt{a(a+4)}}{2} = 0 \quad S=0$$

$$2m^2 - \sqrt{a}m - a = 0 \Rightarrow 2\left(\frac{\sqrt{a} + \sqrt{a(a+4)}}{2}\right)^2 - \sqrt{a}m - a = 0$$

$$= 11a + 12\sqrt{a} = a + 7\sqrt{a}$$

$$y = km^2 - (m-1) \rightarrow S \mid \frac{y}{m} \Rightarrow S \mid \frac{y}{m} - \frac{m-1}{m}$$

$$\Rightarrow -\frac{m-1}{m} - \frac{m-1}{m} = -\frac{2(m-1)}{m} \Rightarrow \frac{1-m}{m} = -\frac{2(m-1)}{m}$$

$$-\frac{2(m-1)}{m} = 0 \Rightarrow 2m-2=0 \Rightarrow m=1 \rightarrow \frac{1-1}{1} = 0$$

$$y = -m^2 + m + 1 \Rightarrow -m^2 + m + 1 = -m - m$$

$$y = -m - m$$

$$(m+1)^2 + \sum m(m+1) < 0$$

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$$m \in (-1, -\frac{1}{3})$$

در این بازه