

ایران

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$$\frac{-b}{2a} = \frac{-1}{2 \times -2} = \frac{1}{4} \rightarrow a = \frac{3}{4} \rightarrow -\frac{1}{4}x^2 + x + \frac{3}{4} = 0 \rightarrow x^2 - 4x - 3 = 0 \rightarrow (x-4)(x+1) = 0$$

$x = 4$ ✓ $x = -1$

بازرسی $\rightarrow m < 0$ د)

$$\Delta > 0 \rightarrow (2\omega - fm)^2 > 0 \rightarrow -1 < m < 2, \omega$$

$$-b = 2 \rightarrow b = -2 \quad 2a = 2 \rightarrow a = \frac{3}{2} \quad b^2 - 4ac = 0 \rightarrow f = 4c \rightarrow c = \frac{f}{4}$$

$$\frac{3}{2}x^2 - 2x + \frac{f}{4} = 0 \rightarrow 9x^2 - 11x + f = 0$$

$$P(a^2 + B^2) + (a^2 - B^2) = P(S^2 - 2P) + S\left(\frac{\sqrt{\Delta}}{k}\right)^{a \pm B} = 2A - 2m - f\sqrt{1 - 2m} = 1P$$

$$\div 2 \rightarrow 1 - m = \sqrt{1 - 2m} \rightarrow m^2 - 4m + 4f = fA - 1m \rightarrow m^2 - 1m + 1/f = 0 \rightarrow m = f$$

$$\frac{-b}{2a} = \frac{1}{2} \rightarrow -b = fa / C = \omega / \frac{fa}{C} = 9 \rightarrow \frac{10a - 1/a^2}{fa} = 9 \rightarrow a^2 + a = 0$$

$$\rightarrow \begin{cases} a = 0 \text{ و } \omega \\ a = -1 \end{cases} \rightarrow b = f \rightarrow -x^2 + fx + \omega \rightarrow \frac{-1 \pm \omega}{-1 \pm 1} \rightarrow (-1 \pm \omega)$$

$$a + B = \frac{V}{a} \text{ و } a.B = \frac{9B}{a} \rightarrow a = \pm \sqrt{9} \rightarrow \begin{cases} a = 3 \rightarrow 3 + B = \frac{9}{3} \rightarrow B = \frac{9}{3} - 3 = 0 \\ a = -3 \rightarrow -3 + B = -\frac{9}{3} \rightarrow B = -\frac{9}{3} + 3 = 0 \end{cases}$$

$$\frac{1}{a} + \frac{1}{B} = -\frac{1}{3} + \frac{3}{3} = \frac{2}{3}$$

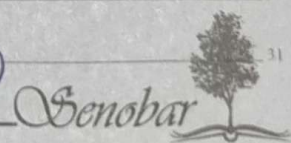
$$a^2 = -m + 2m \rightarrow -m(a + B) + 2m = 1 \rightarrow m^2 + 2m - 1 = 0 \rightarrow m = 1 \text{ و } m = -1$$

$$\frac{-\Delta}{fa} = \frac{2m^2 + 21m - 14}{f^2m} = 1 \rightarrow \frac{m^2 + 11m - 7}{f^2m} = 1 \rightarrow m^2 - 11m - 7 = 0 \rightarrow m = 11 \text{ و } m = -7$$

$$-2x^2 + fx + 4 \div 2 \rightarrow x^2 - 2x - 2 \rightarrow (x-2)(x+1) \rightarrow x = 2 \text{ و } x = -1$$

$$C = f / \frac{-b}{2a} = 2 \rightarrow -b = fa / \frac{-\Delta}{fa} = 4 \rightarrow \frac{1/a - 1/a^2}{fa} = 4 \rightarrow a = -\frac{1}{4} \rightarrow b = 2$$

$$\rightarrow -\frac{1}{4}x^2 + 2x + 2 \quad \frac{1}{a} + \frac{1}{B} = \frac{a+B}{aB} = \frac{f}{-1} = -f$$



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$$\rightarrow f = \lambda a + \mu a^2 + \gamma a + \nu = 0 \rightarrow \mu a^2 - \gamma a + 1 = 0 \rightarrow a = 1, -\frac{1}{\mu}$$

$$a = 1 \rightarrow n^2 - \lambda n + 1 = (n - \gamma)(n - \gamma) \rightarrow n = \gamma$$

$$a = -\frac{1}{\mu} \rightarrow n^2 - \frac{\lambda}{\mu}n + \frac{\nu}{\mu} = (n - \gamma)(n - \frac{\gamma}{\mu}) \rightarrow n = \frac{\gamma}{\mu}$$

$$\Delta > 0 \rightarrow (\lambda + \gamma)^2 - 4(\mu a^2 + \gamma a + \nu) = 1\gamma^2 + \mu\gamma^2 + 1\gamma - 1\gamma a^2 - \gamma^2 a$$

$$= \gamma a^2 - \lambda a + 1 = (a - \gamma)^2 \rightarrow a \neq 1$$