

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

$$-\frac{1}{2}x^2 + x + 1^3 \rightarrow \Delta = 1^2 - 4 \cdot \left(-\frac{1}{2}\right) \cdot 1 = 1 + 2 = 3 \quad \frac{-1 \pm \sqrt{3}}{-1} = 1 \pm \sqrt{3}$$

در هر دو حالت، جواب می‌کند

$$x_1 = \frac{1 - \sqrt{3}}{2}, x_2 = \frac{1 + \sqrt{3}}{2} \rightarrow S = \frac{1 - \sqrt{3} + 1 + \sqrt{3}}{2} = 1, P = \left(\frac{1 - \sqrt{3}}{2}\right) \times \left(\frac{1 + \sqrt{3}}{2}\right)$$

$$\Rightarrow \frac{1 - 3}{4} = -\frac{1}{2} \Rightarrow x^2 - Sx + P = x^2 - x - \frac{1}{2}$$

$$mx^2 - \omega x + m$$

$$\frac{x_1 \quad x_2}{- \quad -}$$

$$\omega < 0 \Rightarrow m < 0$$

$$\Delta = (-\omega)^2 - 4m^2 = \omega^2 - 4m^2 > 0 \rightarrow \omega^2 > 4m^2$$

$$\rightarrow |\omega| > 2|m| \Rightarrow \frac{\omega}{2} < m < 0$$

$$x^2 - Ax + m + 1 = 0 \quad a, B \quad 1^3 a^2 + B^2 = 1^2, a < B$$

$$S = \frac{1}{2} = f \rightarrow a + B = f \rightarrow B = f - a \quad 1^3 a^2 + (f-a)^2 = 1^2 \rightarrow f^2 a^2 - 2fa + 1 = 1^2$$

$$a^2 - 2fa + 1 = 0 \quad (a-1)^2 = 0 \rightarrow a = 1, b = f-1 = 1 \quad ab = \frac{m+1}{2} \rightarrow m+1 = 2$$

$$\boxed{m = 1}$$

$$y = a(x-1)^2 + 9 \rightarrow \omega = a(0-1)^2 + 9 \rightarrow \omega = a + 9 \rightarrow a = -1$$

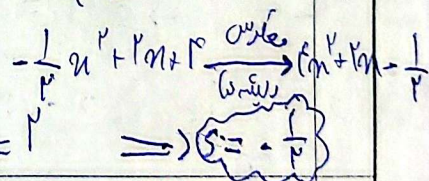
$$y = -(x-1)^2 + 9 \Rightarrow 0 = -(x-1)^2 + 9 \Rightarrow (x-1)^2 = 9 \Rightarrow x-1 = \pm 3$$

$$\Rightarrow -1 < x < 5$$

$$\rightarrow \frac{-P_2 g}{\gamma} = \left[\frac{V}{\gamma} \right]$$

$$\rightarrow m' + l_{m-1} = 0 \rightarrow (m-1)(m-1) \begin{cases} m=1 \checkmark \\ m=-1 \times \end{cases} \rightarrow m' + l_{m-1} = 0 \Rightarrow \boxed{S = -1}$$

$$-r(n-w)(n+1) = 0 \rightarrow K \geq w$$



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