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بازدید
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$$y = (a-1)u^2 + u + 1$$

$$-\frac{b}{2a} = 1 \rightarrow -\frac{1}{2(a-1)} = 1 \rightarrow 1 = \varepsilon(a-1) \Rightarrow a = \frac{2}{\varepsilon}$$

$$\left(\frac{2}{\varepsilon} - 1\right)u^2 + u + 1 \rightarrow -\frac{u^2}{\varepsilon} + u + 1 \rightarrow x - \varepsilon \rightarrow u^2 - \varepsilon u - 1 = 0 \rightarrow (a-1)(a+1) = 0$$

4

$$f(u) = mu^2 - 2u + m \quad m < 0$$

$$\frac{u_1 + u_2}{-1+1} =$$

$$u = \frac{\Delta \pm \sqrt{\Delta^2 - 4am}}{2m}$$

$$\Delta = 2^2 - 4(m)(m)$$

$$\left(0, \frac{\Delta}{2}\right)$$

$$\rightarrow 2^2 - 4m^2 > 0 \rightarrow m < \frac{2}{2} \rightarrow \frac{\Delta}{2} > m > 0$$

$$S = \frac{1 - \sqrt{5}}{2} + \frac{1 + \sqrt{5}}{2} = \frac{2}{2} = 1$$

$$P = \frac{(1 - \sqrt{5})}{2} \times \frac{(1 + \sqrt{5})}{2} = \frac{\varepsilon}{9}$$

$$u^2 - 2u + \frac{\varepsilon}{9} = 0 \xrightarrow{\times 9} 9u^2 - 18u + \varepsilon = 0$$

$$u^2 - 1u + m + 1 = 0 \quad a < b \quad 1a^2 + b^2 = 1 \rightarrow a + b(1a + b) = 1$$

$$b = a + b = \varepsilon \rightarrow b = \varepsilon - a$$

$$1a^2 + (\varepsilon - a)^2 = 1 \rightarrow 1a^2 + 1\varepsilon + a^2 - 1a = 1$$

$$\varepsilon a^2 - 1a + 1\varepsilon = 1 \rightarrow \varepsilon a^2 - 1a + \varepsilon = 0 \rightarrow a^2 - 2a + 1 = 0 \rightarrow (a-1)^2 = 0$$

$$b = \varepsilon - 1 = 1 \quad a \times b = 1 = \frac{m+1}{2} \rightarrow m+1 = 2 \Rightarrow m = 1$$

$$a = 1$$

$$S(1, 9)$$

$$y = a(u-2)^2 + 4 \rightarrow y = 0 \rightarrow 0 = a(0-2)^2 + 4 \Rightarrow 9a + 4 = 0$$

$$-4 = 9a$$

$$a = -1$$

$$= a(u-h)^2 + k$$

$$-(u-2)^2 + 4 \geq u^2 - \varepsilon + \varepsilon u + 4 \rightarrow -u^2 + \varepsilon u + 8 \rightarrow y > 0 \rightarrow -u^2 + \varepsilon u + 8 > 0$$

$$\Rightarrow u^2 - \varepsilon u - 8 > 0 \rightarrow (u-8)(u+1) > 0$$

$$\frac{-1 \pm \sqrt{1+32}}{2}$$

$$u \in (-\infty, -1) \cup (8, \infty)$$

~~المسألة~~ المسألة

$$a\alpha\gamma - V\alpha + 9B = 0 \quad B > 0 \quad \frac{B}{a+B} = ?$$

$$9 \quad a\gamma - V\alpha + 9B = 0$$

$$\frac{1}{a} + \frac{1}{B} \rightarrow \frac{1}{-r} + \frac{1}{\frac{r}{r}} = \frac{1}{-r} + \frac{r}{r} = \frac{-r+r}{-r} = \frac{0}{-r} = 0$$

$$-\frac{1}{r} + \frac{r}{r} = \frac{-r+r}{-r} = \frac{0}{-r} = 0$$

$$\frac{9B}{a} = a \cdot B \rightarrow a = \frac{9}{B} \rightarrow a = -\frac{r}{r} \rightarrow a = -1$$

$$-\frac{b}{a} = \frac{V}{a} = -\frac{V}{r} = -\frac{r}{r} = -1$$

$$-V = -9 + rB \rightarrow rB = r \rightarrow B = 1$$

$$a\alpha\gamma - V\alpha + 9B = 0$$

$$-r\alpha\gamma - V\alpha + 9B = 0 \quad \Delta = \epsilon\gamma - \epsilon(r)(9B)$$

$$\Delta = \epsilon\gamma - \epsilon(r)(9B)$$

$$\epsilon\gamma - \epsilon(r)$$

$$m\gamma + m\alpha - r\alpha = 0 \quad a\gamma - mB = 1 \quad S = ? \quad a\gamma + m\alpha - r\alpha = 0 \rightarrow a\gamma = r\alpha - m\alpha$$

$$S = -\frac{b}{a} = -\frac{m}{r}$$

$$P = -\frac{c}{a} = -\frac{r\alpha}{r} = -\alpha$$

$$a\gamma - mB = 1 \rightarrow r\alpha - m\alpha - mB = 1$$

$$-m(-r + a + b) = 1$$

$$-m(-r + a + b) = 1$$

$$a + b = -\epsilon + r = -r$$

$$a + b = \epsilon$$

$$r\alpha + m\gamma = 1 \rightarrow m\gamma + r\alpha - 1 = 0 \rightarrow (m + \epsilon)(m - r) = 0 \rightarrow m = -\epsilon \text{ or } m = r$$

$$\gamma = m\alpha + 9\alpha + \frac{m}{r} + V \quad m < 0$$

$$-\frac{b}{ra} = -\frac{\epsilon}{r\alpha} = -\frac{r}{m} \rightarrow m(-\frac{r}{m}) + \epsilon(-\frac{r}{m}) + \frac{m}{r} + V = 1 \rightarrow \frac{\epsilon}{m} - \frac{1}{m} + \frac{m}{r} + V$$

$$-\frac{\Delta}{\epsilon a} \rightarrow -\frac{(1 - \epsilon(m)(\frac{m}{r} + V))}{\epsilon m} = 1 \rightarrow -1 + \frac{\epsilon m}{r} + \frac{r}{m} = 1$$

$$r\alpha\gamma + r\alpha - 1 = 0 \rightarrow (r - 1)(m + \epsilon) = -\frac{\epsilon}{r} \text{ or } \frac{1}{r} \rightarrow m < 0 \rightarrow -r = m$$

$$-r\alpha\gamma + \epsilon\alpha - 1 + V \rightarrow -r\alpha\gamma + \epsilon\alpha + 1 \rightarrow r\alpha\gamma + \epsilon\alpha - 1 = 0 \rightarrow (r + \epsilon)(r - \epsilon) = 0 \rightarrow r = \epsilon \text{ or } r = -\epsilon$$

$$C = \epsilon - \frac{b}{ra} = r \rightarrow \frac{1}{r}(-\frac{b}{a}) = r - \frac{b}{a} = \epsilon \rightarrow S = \epsilon$$

$$-\frac{b}{ra} = r$$

$$b = -\epsilon a$$

$$a\alpha\gamma - \epsilon a\alpha + \epsilon = 0 \rightarrow a(\alpha\gamma - \epsilon\alpha) + \epsilon = 0$$

$$\frac{c}{a} = \frac{\epsilon}{a}$$

$$a(\alpha\gamma - \epsilon\alpha) = 0 \rightarrow a = \frac{\epsilon}{\alpha} \text{ or } \alpha = 0$$

$$-\epsilon a + \epsilon = 0 \rightarrow -\epsilon a = -\epsilon \rightarrow a = 1$$

$$\frac{1}{a} + \frac{1}{B} \rightarrow \frac{a + B}{aB} \rightarrow \frac{r + \epsilon}{r\epsilon} = \frac{r + \epsilon}{r\epsilon} \rightarrow \frac{a}{r} = \frac{r}{r} = 1$$

$$m\gamma - (\epsilon a + \epsilon)\alpha + (r\alpha\gamma + 9\alpha + r) = 0$$

$$m = r$$

$$\epsilon - (\epsilon a + \epsilon)r + (r\alpha\gamma + 9\alpha + r) = 0 \rightarrow r\alpha\gamma - r\alpha - 1 = 0 \rightarrow a\gamma - r\alpha - r = 0$$

$$(a - r)(a + 1) = 0$$

$$S = -\frac{b}{a} = -\frac{\epsilon a + \epsilon}{a} = -\epsilon - \frac{\epsilon}{a} \rightarrow m = \epsilon a + \epsilon - m \rightarrow \epsilon a + \epsilon - r = \epsilon a + r \rightarrow \epsilon + r = \epsilon$$

$$\frac{a}{r} = \frac{r}{r} = 1$$