



☆. صواب: ثلاث 19. باء، زاي، هاء. ☆. A.

$$\mu_2^r - a_2 + f_{50} \rightarrow 10^9, : q, \mu_q \sim p s \mu_q^r s \epsilon/\mu \Rightarrow q s \pm r/\mu \quad (1)$$

①: $q \leq r/\mu \rightarrow \mu(r/q) - \frac{ra}{\mu} + \varepsilon s_0 \rightarrow a \leq \Lambda \rightarrow a, -ar \leq 14$

②: $q \leq -r/\mu \rightarrow \mu(r/q) + \frac{ra}{\mu} + \varepsilon s_0 \rightarrow a \leq -\Lambda$

$$r^2 - (m+1)r + 1 = 0 \quad \frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = \omega \quad (r)$$

$$\star (\sqrt{a} + \sqrt{b})^2 = \underbrace{a + b}_S + \underbrace{2\sqrt{ab}}_P = \frac{m+1}{n} + \frac{2}{n} = \frac{m+2}{n} \Rightarrow \sqrt{a} + \sqrt{b} = \frac{\sqrt{m+2}}{n}$$

$$\frac{1}{\sqrt{\alpha}} + \frac{1}{\sqrt{\beta}} \leq \frac{\sqrt{\alpha} + \sqrt{\beta}}{\sqrt{\alpha\beta}} \leq \frac{\sqrt{m+44}}{4} \leq \sqrt{m+44} \leq \omega \rightarrow m+44 \leq \omega^2$$

$$\Rightarrow m \leq \omega^2 - 44$$

$\rightarrow \vec{r}_2 + \vec{r}_3 + \vec{r}_5 \rightarrow \vec{r}_2 + \vec{r}_3 + \vec{r}_5 = \begin{bmatrix} 4 \\ -1 \end{bmatrix}$

$$\bullet \quad 3 \leq 1, \quad \varphi \leq \alpha/\beta \leq -1 \leadsto \alpha, \quad \frac{-1}{\alpha} \leadsto \alpha \rightarrow \frac{1}{\alpha} \leq \frac{\alpha^2 - 1}{\alpha} \leq 1 \quad (12)$$

$$\rightarrow q^2 - q - 50 \rightarrow (q-2)(q+1) \rightarrow \underline{\text{Ans}}: 2, -1$$

$$Ks-1 \rightarrow -\Sigma + K + 9. - 150 \rightarrow Ks-12$$

$$2^r + 4a + a s_0 \rightarrow 1\alpha^r + 1\beta^r = \omega_1 \alpha^r + \alpha_1^r + \omega_1 \beta^r - \beta_1^r = \quad (1)$$

$$\omega_1 (\alpha^r + \beta^r) + \alpha^r - \beta^r = \omega_1 (s^r - 2p) + \frac{1}{r} S \left(\frac{\sqrt{\Delta}}{1a_1} \right) =$$

$$\frac{\omega}{r} (14 - 2a) - 4\sqrt{9-a} = 9 - \omega a + 4\sqrt{9-a} = 12\sqrt{r} + \Delta \omega$$

$$9 - \frac{\omega}{1a} - 12\sqrt{r} - \omega a = 4\sqrt{9-a}$$

$$- \Delta \cdot a + 12 \cdot a \cdot \sqrt{r} + \cancel{12\sqrt{r}} + \cancel{12\sqrt{r}} + 12a^2 - 12\sqrt{r} = 14(9-a)$$

$$\rightarrow 20a^2 - 12\sqrt{r} + (12\sqrt{r} - \Delta) a = 11 - 14a \Rightarrow \boxed{a = 1}$$

$$a^2 - a - b = 0 \rightarrow 5 = 1 \Rightarrow \alpha, \beta \Rightarrow \beta = 1 - \alpha \quad (2)$$

سائل: $10(1-\alpha)^2 + 2\alpha^2 - 2(1-\alpha) = 14$

$$10(1 - 2\alpha + \alpha^2) + 2\alpha^2 - 2 + 2\alpha = 14$$

$$10 - 20\alpha + 12\alpha^2 + 2\alpha^2 - 2 + 2\alpha = 14 \rightarrow 4\alpha^2 - 18\alpha + 8 = 14$$

$$\rightarrow 4\alpha^2 - 18\alpha + 8 = 14 \rightarrow 4\alpha^2 - 18\alpha - 6 = 0 \rightarrow 2\alpha^2 - 9\alpha - 3 = 0$$

من $2\alpha^2 - 9\alpha - 3 = 0$

$$|\alpha - \beta| = \frac{\sqrt{\Delta}}{1a_1} = \frac{\sqrt{81 - 4 \cdot 2 \cdot (-3)}}{2} = \frac{11\sqrt{5}}{2} = \frac{2\sqrt{5}\omega}{\omega}$$



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$$x^E \sqrt{x^T} - \omega s_0 - \frac{2^T s^T}{t} - \frac{t^T - v^T}{t} - \omega s_0$$

(12)

$$\Delta s^T q - (\varepsilon x^T x - \omega) s^T \varepsilon q + \frac{1}{2} s^T q$$

$$\rightarrow \frac{v \pm \sqrt{4q}}{2} \rightarrow \frac{v + \sqrt{4q}}{2}$$

$$\Rightarrow \frac{v \pm \sqrt{4q}}{2} \rightarrow \frac{v + \sqrt{4q}}{2}$$

$$\frac{1}{2} p^T - \frac{1}{2} p^T + \frac{1}{2} s^T = \frac{1}{2} p^T + \left(\frac{q + 4q + 16\sqrt{4q}}{2} \right) s^T = \frac{11q + 16\sqrt{4q}}{2}$$

$$s^T \Delta q + v \sqrt{4q}$$

$$x^T = ax + b s_0 \rightarrow S_1 s^T \frac{q}{1} \quad p_1 s^T \frac{b}{1} \rightarrow q + \beta s^T \frac{q}{1}$$

(13)

$$x^T = ax + b s_0 \rightarrow S_1^{-1} \frac{1}{1} \quad p_1 s^T - \frac{1}{a} \rightarrow q + \beta + 1 s^{-1} \frac{1}{1}$$

$$\Rightarrow S_1 + 1 s^T S_1 \rightarrow q + 1 s^{-1} \frac{1}{1} \Rightarrow \boxed{a s^{-1}}$$

$$x^T = ax + b s_0$$

$$x^T = ax + b s_0 \rightarrow p s^T (q + 1/r) (b + 1/r) s^T q/b + \frac{q + \beta}{r} + 1/\varepsilon$$

$$= \frac{b}{r} - \frac{1}{\varepsilon} + \frac{1}{\varepsilon} s^T 1 \Rightarrow \boxed{b s^T 1} \Rightarrow \left[\frac{q/b - 1}{r} \right] s^T (-1)$$

$$\bullet \quad x^T + a - 1 - m^T s_0 \rightarrow S s - 1$$

$$\hookrightarrow p s - (1 + m^T) \rightarrow \alpha^T + \beta^T s \quad S^T - r p s \quad 1 + r + m^T$$

$$S^T - r p s \quad \left[\right] \leftarrow m s_0: \text{تبدیل مقدار}$$

$$\bullet \quad x^T (a+1) a + a s_0 \rightarrow \alpha, \alpha + r \rightarrow S s a + 1 s^T \alpha + r \quad (1)$$

$$\hookrightarrow p s a s^T \alpha + \alpha^T + b^T \quad r \alpha + \alpha^T + 1 s^T \alpha + r$$

$$\bullet \quad x^T - 1 a + b s_0 \rightarrow \beta, \beta + r$$

$$a s^T \left[\right] \leftarrow \alpha^T s_1 \rightarrow \alpha s + 1$$

تبدیل مقدار

$$\bullet \rightarrow p s b \in r p + p^T, S s_1 \circ S^T \beta + r$$



$$\beta s^T \Rightarrow b s^T$$

$$b - a s^T \varepsilon - r s^T \left[\right]$$



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$$A(r, y) B(-0, y) \rightarrow \frac{-b}{ra} \cdot r \cdot s \cdot \frac{r-0}{r} \cdot r \cdot \text{câc} \cdot y \cdot r \quad (10)$$

$$\bullet (-1, 1) \rightarrow y \cdot s \cdot a \cdot (r+1)^r + 1 \cdot s \cdot a \cdot r^r + r \cdot a \cdot r + a + 1$$

$$\bullet \Delta \cdot s \cdot \sqrt{-\varepsilon a} \Rightarrow a \cdot s \cdot \frac{-ra \pm \sqrt{-\varepsilon a}}{ra} \rightarrow -1 - \sqrt{-1/a}$$

$$\bullet g^r + \beta^r \cdot s \cdot s^r - r \cdot p \cdot s \cdot \varepsilon - r(1 - 1/a) \cdot s \cdot a \rightarrow -r/a \cdot s^r$$

$$\rightarrow a \cdot s^r / \mu$$

$$\bullet \xrightarrow{*} y \cdot s = \frac{r}{\mu} (r+1)^r + 1 \xrightarrow{r \cdot s \cdot 0} \boxed{y \cdot s \cdot \frac{1}{\mu}}$$