

صفحه

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باعتبار

①

$$\frac{-b}{2a} = -1$$

$$\Rightarrow b = 2a$$

$$\frac{-b^2 + 4ac}{4a} = 9$$

$$1 = 9a + 4b + c$$

$$1 = 18a + c$$

$$-b^2 + 4ac = 36a$$

$$-4a^2 + 4ac = 36a$$

$$4a(-a + c) = 36a$$

$$-a + c = 9$$

$$-18a - c = -1$$

$$-19a = 8$$

$$a = -\frac{8}{19} \Rightarrow b = -\frac{16}{19}$$

$$-4(1)(m+4) > 0$$

$$m^2 - 11m - 24 > 0$$

$$(m-15)(m+4) > 0$$

$$\begin{array}{c} -15 \quad 4 \\ + \quad - \quad + \\ + \quad - \quad + \end{array}$$

$$(-\infty, -4) \cup (15, \infty)$$

$$\{n = (-\infty, -4) \cup (15, \infty)\}$$

$$\Delta > 0 \Rightarrow m^2$$

$$S > 0$$

$$D > 0$$

$$\frac{c}{a} > 0$$

$$\frac{-m}{2} > 0$$

$$m < 0 \quad II$$

$$\frac{m+4}{2} > 0$$

$$\Rightarrow m > -4 \quad III$$

✓

$$r \sim r(r-m-1)n + r-m \approx$$

(r)

$$\alpha, \beta \rightarrow$$

$$\alpha + \beta = \frac{1}{\alpha\beta} \quad -r-m+1 = \frac{1}{\frac{r-m}{r}} = \frac{r}{r-m}$$

$$(r-m)/(-r-m+1) = 9$$

$$-r-m+r+r-m-r-m=9$$

$$r-m-r-m-r-m=9$$

$$(m-r)(m+r) = -$$

$$\checkmark \left(\frac{r}{r} \right) - 1 = 0$$

$$\frac{1}{\alpha + \beta} \left(\frac{1}{\alpha} + \frac{1}{\beta} \right) = \frac{1}{\alpha\beta} \quad \frac{1}{\alpha} + \frac{1}{\beta} = \frac{\alpha + \beta}{\alpha\beta}$$

(r)

$$r - \alpha - \beta = 0$$

$$\alpha + \beta = r$$

$$\frac{1}{\alpha} + \frac{1}{\beta}$$

$$\left(\alpha + \frac{1}{\beta} \right) \left(\beta + \frac{1}{\alpha} \right) = \frac{r}{\alpha\beta} + \frac{r}{\alpha\beta} + \frac{1}{\alpha\beta}$$

$$-r+9-1$$

$$r - 5r + 9 = \frac{r}{\alpha\beta} - \frac{1}{\alpha\beta}$$

نکته ؟ (5)

(9)

$$x^2 - a x + 1 = 0 \quad (*)$$

پس

$$-a = \pm 1$$

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

$$a = \pm 1$$

$$-1 - 1 = -2 \quad (14) \rightarrow \text{نتیجه}$$

$$a > 0$$

$$b < 0$$

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

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

(v)

$$\boxed{\text{نتیجه}} \quad \checkmark$$

$$a > 0$$

$$b > 0$$

$$b < 0$$

$$\frac{-1 - 1}{a} > 0$$

$$\left(-\frac{1}{r}, 0 \right)$$

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

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

$$a = r$$

$$g = -x^2 - rx + b$$

$$\boxed{ab = 1}$$

$$\begin{cases} -x^2 - rx + b = 1 \\ x^2 + rx - r = 1 \end{cases}$$

$$b - r = r$$

$$b = 2r$$

(1)

Sub 2

Q

$$\frac{a}{r} = -\frac{a}{ra} + 1$$

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

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

$$a = 1$$

$$r n^r - a n + b = r n^r - n + b$$

$$r a n^r + a n - 4$$

$$r n^r + n - 4$$

$$n^r + n - 1$$

$$(n+1)(n-1) = 0$$

$$n = -1 \text{ or } n = 1$$

$$n = 1 \text{ or } n = \frac{1}{r}$$

$$-1/0$$

$$-1/1$$

$$+0/0$$

$$\left[\frac{ab}{r} \right] = \begin{Bmatrix} 4 \\ r \end{Bmatrix} \begin{matrix} n^r - 5n + 6 \\ n^r - \frac{1}{r} n^r \\ -r n^r + n + 9 \end{matrix}$$

Q

$$-r n^r + n + 9 \rightarrow 6$$

$$\cancel{x} + \cancel{p} = \cancel{m} = \cancel{x} + \cancel{p} + \cancel{m}$$

(12)

$$\cancel{K} =$$

$$\alpha = \frac{1}{2} \frac{m}{m}$$

$$\cancel{x} + 9\alpha + m = \cancel{x} + 2\alpha - 7m$$

$$\cancel{x} = -7m$$

$$\alpha = -m$$

$$-m$$

$$m^2 - 7m - 7m = 0$$

$$\alpha = -\alpha, \quad \int_{-1}^0 x^2 dx = \frac{1}{3} \quad \text{if } \alpha = \frac{1}{3} \quad m^2 - \alpha m = 0$$

$$m(m - \alpha) = 0$$

$$\sim (n + \alpha)(n - 1) \text{ or } n^2 + 2n - 1\alpha$$

$$\sim m = \alpha \quad \alpha = 0$$

$$(n + \alpha)(n + 1) \text{ or } n^2 + 2n + \alpha$$