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لماذا ابراهيمي حارة كلف ٢٠ ما زرع رسته

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

①

$$\frac{1}{\beta} \times \beta = \frac{1}{\beta} \quad \frac{1}{\beta} = \frac{1}{\beta} \quad \beta = \frac{1}{\beta} \rightarrow \beta = \pm \frac{1}{\beta}$$

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$$\frac{1}{\beta} + \frac{1}{\beta} = \frac{1}{\beta} \rightarrow \frac{1}{\beta} = \frac{1}{\beta} \rightarrow a_1 = 1 \quad a_1 - a_2 = 1 - (-1) = 2$$

$$\beta = -\frac{1}{\beta} \rightarrow \alpha = -1 \rightarrow -1 - \frac{1}{\beta} = \frac{1}{\beta} \rightarrow a_2 = -1$$

②

$$\sqrt{\frac{1}{\alpha}} + \sqrt{\frac{1}{\beta}} = d \rightarrow \frac{1}{\sqrt{\alpha}} + \frac{1}{\sqrt{\beta}} = d \rightarrow \frac{\sqrt{\beta} + \sqrt{\alpha}}{\sqrt{\alpha\beta}} = d$$

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

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

$$m+1-1 = m = -1$$

$$m\alpha + \beta + 1 = 0$$

$$-\alpha + \beta + 1 = 0$$

$$\frac{c}{a} = -1$$

③

$$(\alpha + \beta)^2 = 1 \rightarrow \alpha^2 + \beta^2 + \frac{2\alpha\beta}{-1} = 1 \rightarrow \alpha^2 + \beta^2 = 2 \quad \left\{ \begin{array}{l} \alpha = 1 \\ \beta = -1 \end{array} \right.$$

$$\sum x(-1)^k + k + 9 - 1 = 0 \rightarrow k = -1 \quad \checkmark$$

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$$\sum x 1 + \sum k - 1 - 1 = 0 \rightarrow k = -1 \quad \checkmark$$

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$$r\alpha^r + r\alpha^r = r_1\partial\alpha^r + r_1\partial B^r + r_1\partial\alpha^r - r_1\partial B^r \quad (F)$$

$$\frac{\partial}{\partial r}(\alpha^r + B^r) + \frac{1}{r}(\alpha^r + B^r) \quad \alpha^r + B^r = S^r - r\rho = S^r - r\rho$$

$$\alpha^r - B^r = (\alpha + B)(\alpha - B) = -4(\sqrt{r_4 - 8a})$$

$$= 4\sqrt{r_4 - 8a}$$

$$\frac{\partial}{\partial r}(\alpha^r + B^r) + \frac{1}{r}(\alpha^r - B^r) \rightarrow 9 - \partial\alpha + \sqrt{r_4 - 8a} = 12\sqrt{r} + 10$$

$$9 - \partial\alpha = 10 \rightarrow \alpha = 1 \quad \sqrt{r_4 - 8a} = 12\sqrt{r} \rightarrow \boxed{\alpha = 1}$$

(D)

$$x^r = t \quad t = \frac{4V \pm \sqrt{49}}{r}$$

$$t^r - Vt - 8 = 0$$

$$x = \pm \sqrt{\frac{V \pm \sqrt{49}}{r}}$$

$$S = 0 \rightarrow \rho = -\frac{V - \sqrt{49}}{r}$$

$$0 = 89 + r_1 = 49$$

$$r\rho^r - r\rho^s + r_s = 0 \Rightarrow r\rho^r = \frac{89 + 49 + 12\sqrt{49}}{r} \times r = \boxed{89 + 12\sqrt{49}}$$

$$\alpha + B = -\frac{1}{r}$$

$$\alpha + B = -\frac{1}{r}$$

$$\alpha B = -\frac{r}{a}$$

$$\alpha + \frac{1}{r} + B + \frac{1}{r} = \frac{a}{r} \quad (4)$$

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

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

$$\left(\frac{1}{r} + \alpha\right)\left(\frac{1}{r} + B\right) = \frac{1}{r^2} + (\alpha + B)\frac{1}{r} + \alpha B = \frac{b}{r}$$

$$\frac{1}{r} - \frac{1}{r} - \frac{12}{r} = \frac{b}{r} \rightarrow b = -4$$

$$\left[\frac{ab}{r}\right] = \left[\frac{1 \times -4}{r}\right] = \left[-\frac{r}{r}\right] \quad (1)$$

$$a\alpha^r - a\alpha - b = 0$$

$$S = 1$$

$$a\beta^r - a\beta - b = 0 \rightarrow \beta^r - \beta = \frac{b}{a}$$

$$\rho = -\frac{b}{a}$$

$$S \cdot \beta^r + r \cdot \alpha^r - r \cdot \beta = r \cdot \beta^r + r \cdot \alpha^r + r \cdot \beta^r - r \cdot \beta$$

$$r \cdot (S^r - r\rho) + r \cdot (B^r - B) = r \cdot \left(1 + \frac{rB}{a}\right) + r \cdot \left(\frac{b}{a}\right) = r + S \cdot \frac{b}{a} + r \cdot \frac{b}{a} = r + 4 \cdot \frac{b}{a} = 12$$

$$\frac{b}{a} = -\frac{1}{r} \Rightarrow b = -\frac{1}{r} \cdot a \Rightarrow \frac{\sqrt{a}}{|a|} = \frac{\sqrt{ar_4 - 8ab}}{|a|} = \frac{\sqrt{ar_4 - ar}}{|a|} = \frac{1}{|a|} \sqrt{\frac{r_4}{a}} = \frac{1}{|a|} \sqrt{\frac{2}{a}}$$

$$\sqrt{\frac{r_4}{a}} = \frac{r}{\sqrt{a}}$$

Elipon

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$$a = r^k + 1 \times r^{k-1} = \sum_{k=1}^r r^{k-1} \quad \left\{ \begin{array}{l} \sum_{k=1}^r r^{k-1} = \dots \\ \sum_{k=1}^r (k-1) = \dots \rightarrow k=1 \end{array} \right. \quad (1)$$

$$a+1 = \sum_{k=1}^r r^{k-1} \rightarrow a = \sum_{k=1}^r r^{k-1} - 1$$

$$k=0$$

$$b = \sum_{k=1}^r r^k + \sum_{k=1}^r r^k$$

$$ra+1 = \sum_{k=1}^r r^k + r$$

$$|a-b| = |r - r \sum_{k=1}^r r^{k-1}| = r$$

$$1 = \sum_{k=1}^r r^k + r \rightarrow k' = r \rightarrow b = r \sum_{k=1}^r r^{k-1}$$

$$a = r \quad (5)$$

(4)

$$\alpha + \beta = -1$$

$$\alpha \beta = -1 - m^r$$

$$m^r = 0$$

$$\alpha^r + \beta^r = s^r - r\beta = 1 - r(-m^r - 1) = r + rm^r$$

$$r + rm^r \xrightarrow{m=0} r \quad (r)$$

$$(5)$$

$$s/-1$$

$$y = a(n+1)^r + 1 \rightarrow 0 = a(x^r + 1 + rx) + 1 \quad (10)$$

$$\rightarrow 0 = ax^r + a + rax + 1$$

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

$$(r)$$

$$\alpha^r + \beta^r + r\alpha\beta = \varepsilon \rightarrow r\alpha\beta = -1$$

$$\alpha\beta = -\frac{1}{r}$$

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

$$y = -\frac{r}{r} (n+1)^r + 1 \rightarrow$$

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

$$n=0 \rightarrow y = \frac{1}{r}$$