

IV

عرفان حقیقہ یا زہم سے A

$$\alpha = \sqrt[3]{B} \Rightarrow \frac{c}{a} = \frac{r}{\sqrt[3]{B}} = \alpha \sqrt[3]{B} \Rightarrow \sqrt[3]{B}^3 = \frac{r}{\sqrt[3]{B}} \quad -1$$

$$\sqrt[3]{B}^3 = \frac{r}{\sqrt[3]{B}} \quad \sqrt[3]{B} = \frac{r}{\sqrt[3]{B}} \quad \underline{1} \quad - \frac{r}{\sqrt[3]{B}}$$

$$\alpha = \sqrt[3]{B} \quad \underline{1} \quad - \frac{r}{\sqrt[3]{B}}$$

 $\alpha + B$

$$\text{جملہ اول: } \frac{r}{\sqrt[3]{B}} + \sqrt[3]{B} = \frac{1}{\sqrt[3]{B}} \Rightarrow \frac{-b}{a = \sqrt[3]{B}} \Rightarrow b = 1 \quad \checkmark$$

$$\text{جملہ دوم: } -\frac{r}{\sqrt[3]{B}} - \sqrt[3]{B} = \frac{-1}{\sqrt[3]{B}} \Rightarrow \frac{-b}{a = \sqrt[3]{B}} \Rightarrow b = -1 \quad \checkmark$$

$$\text{اضلاع: } 1 + 1 = 1 \quad \checkmark$$

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{B}} = \omega \Rightarrow \frac{\sqrt{a} + \sqrt{B}}{\sqrt{aB}} = \omega \Rightarrow \frac{\sqrt{a} + \sqrt{B}}{\frac{1}{\sqrt[3]{B}}}} = \omega \quad (1)$$

$$\sqrt[3]{B}(\sqrt{a} + \sqrt{B}) = \omega \Rightarrow \sqrt{a} + \sqrt{B} = \frac{\omega}{\sqrt[3]{B}} \Rightarrow a + B + \sqrt{aB} = \frac{\omega}{\sqrt[3]{B}} \quad (2)$$

$$a + B + \frac{r}{\sqrt[3]{B}} = \frac{r \omega}{\sqrt[3]{B}} \Rightarrow a + B = \frac{1 \omega}{\sqrt[3]{B}} \Rightarrow \frac{-b}{a = \frac{1 \omega}{\sqrt[3]{B}}} = \frac{1 \omega}{\sqrt[3]{B}}$$

$$\frac{m+1r}{\sqrt[3]{B}} = \frac{1 \omega}{\sqrt[3]{B}} \Rightarrow \boxed{m = -1} \Rightarrow -m^2 + \sqrt[3]{B}m + r_0$$

$$\alpha B = \frac{c}{a} = -\frac{r}{\sqrt[3]{B}} \quad \checkmark$$

$$n' - sn + p \Rightarrow n' - n - r = 1 \Rightarrow r(n' - n - r) \quad (\mu)$$

$$r n'' + k n' - q n - r = (r n' - r n - 1)(n + a) \quad (2)$$

$$r n'' + (r a - r) n' + (-r a - 1) n - 1 a$$

$$r a - r = k \quad -r a - 1 = q$$

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

$$r a - r = k \Rightarrow k = -\mu \quad \checkmark$$

$$\xi = -\gamma - p - a \quad \alpha - \beta = \frac{\sqrt{\Delta}}{|a|} \Rightarrow \alpha - \beta = -\sqrt{\mu \xi - r a} \quad (\checkmark)$$

$$\mu \alpha' + r \beta' = 12\sqrt{r} + 14 \Rightarrow \frac{\omega}{r} (\alpha' + \beta') + \frac{1}{r} (\alpha' - \beta')$$

$$\Rightarrow 12\sqrt{r} + 14 \Rightarrow \frac{\omega}{r} (s' - rp) + \frac{1}{r} (\alpha + \beta)(\alpha - \beta)$$

$$\Rightarrow \frac{\omega}{r} (s' - rp) - \frac{1}{r} s \sqrt{\mu \xi - r a} = 12\sqrt{r} + 14$$

$$\frac{\omega}{r} (\mu \xi - r a) - \frac{1}{r} (-s) \sqrt{\mu \xi - r a} = 12\sqrt{r} + 14$$

$$9. - \omega a + r \sqrt{\mu \xi - r a} = 12\sqrt{r} + 14$$

$$\Rightarrow \begin{cases} 9. - \omega a = 14 \Rightarrow a = 1 \quad \checkmark \\ r \sqrt{\mu \xi - r a} = 12\sqrt{r} \Rightarrow a = 1 \end{cases}$$

$$\alpha + \beta = 1 \Rightarrow \alpha = 1 - \beta \quad \checkmark$$

(1) بنظر راه حل

$$rB^2 + r(1-B)^2 - r \cdot B = 1 \Rightarrow rB^2 - 2rB + r = 1 \Rightarrow$$

$$rB^2 - 2rB - 1 = 0 \quad \div r \Rightarrow B^2 - 2B - 1 = 0$$

$$B = \frac{1 \pm \sqrt{1+4}}{1} \Rightarrow 1 \pm \sqrt{5}$$

$$\alpha = -1 \pm \frac{\sqrt{5}}{2}$$

$$|\alpha - \beta| = \left| \left(-1 \pm \frac{\sqrt{5}}{2} \right) - \left(1 \pm \frac{\sqrt{5}}{2} \right) \right| = 1 \pm \sqrt{5}$$

$$(r_n - 1) + (r_n + 1) = r_n \Rightarrow \alpha + 1 = r_n \Rightarrow \alpha = r_n - 1$$

$$(r_n - 1)(r_n + 1) = r_n^2 - 1 \Rightarrow \alpha = r_n^2 - 1 \quad (2)$$

$$r_n - 1 = r_n^2 - 1 \Rightarrow n < 1 \quad \checkmark \Rightarrow a = 3$$

$$r_k + (r_{k+2}) = r_{k+2} \Rightarrow \alpha + \beta = 1$$

$$k = 2$$

$$2 \times 2 = 4 \Rightarrow 2 = 2 \quad \checkmark \quad |2 - 3| = 1 \quad \checkmark$$

مقادیر

$$3 = 3 \quad \checkmark$$

مقادیر اول

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

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

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

$$= 1^r + r m^r \Rightarrow m^r \geq 0 \Rightarrow \alpha^r + \beta^r = 1^r \checkmark$$

$$\alpha^r + \beta^r = \omega$$

0 (1, 9)

$$y = a(n-h)^r + k$$

$$r p = \left| \frac{1}{a} \right| = 1 \Rightarrow |a| = 1$$

$$a = \cancel{1} \text{ } \underline{a} = -1$$

$$a(-\omega - \alpha)(-\omega - \beta) \Rightarrow (1 - \alpha)(1 - \beta) = (-\omega - \alpha)(-\omega - \beta)$$

$$1 - 1^r(\alpha + \beta) + \alpha\beta = 1\omega + \omega(\alpha + \beta) + \alpha\beta$$

$$-1^r = 1(\alpha + \beta) \Rightarrow \alpha + \beta = -1$$

$$\alpha^r + \beta^r = (\alpha + \beta)^r - r\alpha\beta$$

$$\omega = 1 - r\alpha\beta \Rightarrow \alpha\beta = -r \Rightarrow y = a(n-1)(n+r)$$

$$y = a(-1)(r) = -ra \quad a = \pm 1 \quad y = -r \text{ } \underline{y} = r$$

$$(\cdot, \underline{-r}) \text{ } \underline{(-r, \cdot)}$$

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

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$$r \cdot \beta^r + r \cdot (1 - \beta)^r - r \cdot \beta = 1 \rightarrow r \cdot \beta^r - r \cdot \beta + 1 = 0$$

$$r \cdot \beta (\cancel{\beta} - 1) = -1 \rightarrow -r \cdot \alpha \beta = -1 \rightarrow \alpha \beta = \frac{1}{r} = -\frac{b}{a} \rightarrow a = -r \cdot b$$

$$-r \cdot \beta n^r + r \cdot \beta n - \beta = 0 \rightarrow |\alpha - \beta| = \frac{\sqrt{\Delta}}{|a|} = \boxed{\frac{r}{\sqrt{\Delta}}}$$

$$\text{عدد } n_S = \frac{r - \Delta}{r} = -1 \quad \text{ext}(-1, 1)$$

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$$y = a(1+n)^r + 1 = an^r + ran + a + 1 \rightarrow \begin{cases} p = \frac{a+1}{a} \\ s = -r \end{cases}$$

$$\alpha^r + \beta^r = S^r - rp = (-r)^r - r\left(\frac{a+1}{a}\right) \rightarrow \boxed{\alpha = -\frac{r}{a}}$$

$$\text{مقدار } a+1 = \left(\frac{1}{r}\right)$$