

$$\frac{-\Delta}{fa} = v \rightarrow \frac{-(b^r + 1r)}{+f} = v \rightarrow -b^r - 1r = r1 \rightarrow b^r = -14 \rightarrow b^r \neq r$$

$$a) x^r = t \rightarrow t^r + r t + r = \Delta x$$

$$b) (r - u^r) = t \rightarrow f(u) = t^r + r t - 1 \Delta \rightarrow (t - \Delta)(t + 1) \dots \rightarrow t = \Delta, t = -p$$

$$r - u^r = \Delta \rightarrow -u^r - 1 \dots \rightarrow -u^r = 1 \rightarrow u^r = -1 \text{ قیاس}$$

$$E - u^r = -r \rightarrow -u^r = -v \quad u^r + v = u \pm \sqrt{v}$$

$$\alpha, \beta = \alpha + r$$

$$S = \alpha + \beta = r \rightarrow r\alpha + r = r \rightarrow r\alpha = r \rightarrow \alpha = 1 \rightarrow \boxed{\alpha = 1, \beta = r}$$

$$r u^r - 14u + 1r = \Delta > \checkmark$$

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

$$S = \alpha + \beta = r$$

$$\begin{aligned} r\alpha - \beta &= r \\ \alpha + \beta &= r \end{aligned}$$

$$r\alpha = r \rightarrow \boxed{\alpha = 1, \beta = r}$$

$$\rightarrow p, \frac{m-1}{r} = 0 \rightarrow \boxed{m = 1}$$

$$-m u^r + r u + m^r - r = 0$$

$$\frac{c}{a} \leq 1 \quad \frac{m^r - r}{-m} = 1 \rightarrow m^r - r = -m \rightarrow m^r + m - r = 0$$

$$m^r + m - r = 0 \rightarrow (m+1)(m-1) \rightarrow m = -1, m = 1 \rightarrow \boxed{m = 1, \Delta > 0}$$

$$u^r - m u + r = 0 \rightarrow p, r$$

$$\alpha \beta = r \rightarrow \frac{\alpha \beta}{r} = 1 \rightarrow \beta = \frac{r}{\alpha}, \alpha = \frac{r}{\beta} \quad S = \alpha + \beta = \frac{r}{\beta} + \frac{r}{\alpha} = \frac{14 + r v}{1r} = \frac{r r}{1r}$$

$$u^r - \frac{r u}{1r} + r = \Delta > \checkmark$$

$$u^r - \varepsilon u + m = 0$$

$$\alpha = \alpha, \beta = r\alpha \rightarrow \alpha + \beta = r \rightarrow \alpha + r\alpha = r \rightarrow \alpha = 1, \beta = r$$

$$\frac{m}{1} = r \rightarrow \boxed{m = r}$$

$$u^r - \varepsilon u + r = \Delta$$

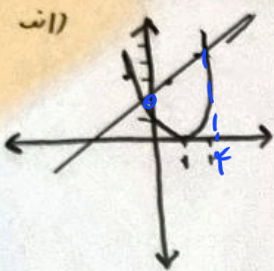
$$x^r + y^r + z^r \rightarrow P, r \leq 5$$

$$a^r + \frac{1}{a^r} = (a + \frac{r}{a})(a^r + \frac{r}{a^r}) = 4^r \times 5^r \times 1^r$$

$$\frac{a^r + r}{a} = \frac{4^r \times 5^r}{a} \rightarrow \frac{a^r + r}{a} = \frac{4^r \times 5^r}{a}$$

$$h(t) = -1.5t^2 + 5.5t \rightarrow \frac{-b}{2a} = \frac{-5.5}{-3} = 1.83$$

$$-1.5 \times (1.83)^2 + 5.5 \times (1.83) = 5.06$$



$$(k-1)^2 = k^2 - 2k + 1$$

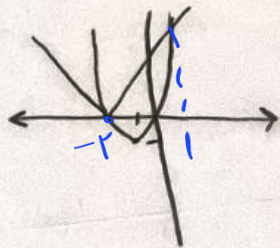
$$k^2 + 1 - 2k = k^2 - 2k + 1 \rightarrow k^2 - 2k + 1 = k^2 - 2k + 1$$

روش هندسی

$$k^2 + p_k = |k+1|$$

$$\frac{-b}{2a} = \frac{-1}{2} = -0.5$$

$$k = -0.5$$



$$k^2 + p_k, |k+1| = 1$$

$$\text{بواب ۱} \quad k^2 + p_k = k+1 \rightarrow k^2 + k - 2 = 0 \rightarrow (k+2)(k-1) = 0$$

$$\text{بواب ۲} \quad k^2 + p_k = -(k+1) \rightarrow k^2 + k + 2 = 0 \rightarrow (k+1)(k+2) = 0$$

$$k = -1, k = -2$$

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