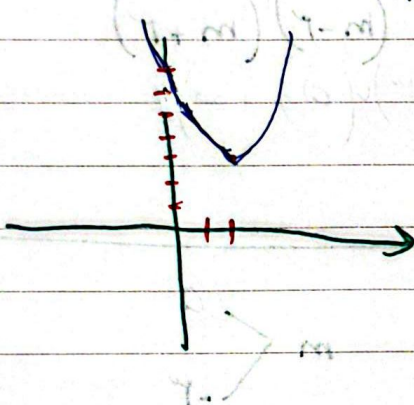
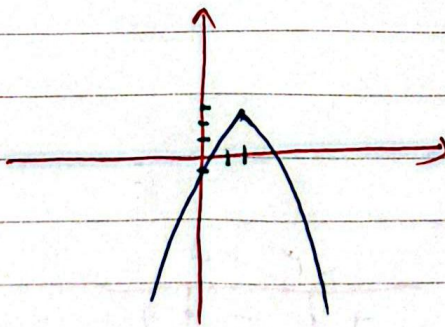


عرفان حقیقی بازدهم μ A

$$y = n^2 - rn + V \Rightarrow \min \left| \frac{-b}{2a} = \frac{r}{2} = \mu \right. \quad (1)$$



$$y = -n^2 + rn - 1 \Rightarrow \max \left| \frac{-b}{2a} = \frac{-r}{-2} = \mu \right. \quad (2)$$



$$1) \Delta > 0 \Rightarrow (m+1)^r - r \left(\frac{1}{r} m + r \right) (r) \quad \text{r}$$

$$m^r + r m + 1 - r m - 1 \leq 0 \Rightarrow \underbrace{m^r - r m - 1}_{(m-r)(m+r)} \leq 0$$

$$\begin{array}{c} -r \quad r \\ + \quad | \quad - \quad | \quad + \end{array} \Rightarrow m \in (-\infty, r) \cup (r, +\infty)$$

$$\Rightarrow \Delta = 0 \Rightarrow m^r - r m - 1 = 0 \quad m \begin{cases} < r \\ > r \end{cases}$$

$$(m-r)(m+r) = 0$$

$$2) \Delta < 0 \Rightarrow m^r - r m - 1 < 0 \quad \begin{array}{c} -r \quad r \\ + \quad | \quad - \quad | \quad + \end{array}$$

$$(m-r)(m+r) < 0$$

$$m \in (-r, r)$$

$$3) \Delta \geq 0 \Rightarrow m^r - r m - 1 \geq 0 \quad \begin{array}{c} -r \quad r \\ + \quad | \quad - \quad | \quad + \end{array}$$

$$(m-r)(m+r) \geq 0$$

$$m \in (-\infty, -r] \cup [r, +\infty)$$

$$\text{الف) } \frac{c}{a} > 0 \Rightarrow \frac{1}{m-2} > 0 \Rightarrow m > 2 \quad I \quad \text{سر}$$

$$\Delta > 0 \Rightarrow (2m+2) - r(1)(m-2) \Rightarrow r m^2 + 4m + r - r \cdot m + 4$$

$$r m^2 - r m + 4r > 0 \Rightarrow m^2 - 1m + 2 > 0 \Rightarrow \Delta < 0$$

همواره برقرار

$$\Delta < 0 \quad \frac{-b}{a} < 0 \Rightarrow \frac{2m+2}{m-2} < 0$$

-1	2
+	-

$$-1 < m < 2 \quad II \quad I \cap II = \emptyset$$

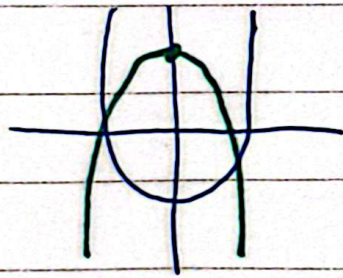
بازار صبیح مقدار m

$$\rightarrow \Delta). \text{ همواره برقرار } p < \frac{1}{m-1} < m < r \quad I \text{ (w)}$$

$$\frac{-b}{a} < \Rightarrow \frac{r_{m+r}}{m-r} < \frac{-1}{+1-1+} r -1 < m < r \quad II$$

$$I \cap II \quad -1 < m < r$$

الف)



$$\Rightarrow p < 0$$

$\Delta > 0$ $\Rightarrow$ قسم واره
بفرار

$$p < 0 \Rightarrow \frac{c}{a} < \frac{10}{m-2} < 0 \Rightarrow m < 2$$

$$- \frac{-b}{2a} = -2 \Rightarrow \frac{2m+2}{2m-2} = -2 \Rightarrow -2m+1 = 2m+2$$

$$-4m = -4 \quad m = 1$$

$$\frac{r_n^2}{r} - (r \sin \alpha) n + \frac{r}{r} = \dots \Rightarrow r n^2 - (12 \sin \alpha) + 9 \quad \text{جواب}$$

$$\Delta \geq 0 \Rightarrow 144 \sin^2 \alpha - 144 \geq 0 \Rightarrow \sin \alpha \leq -1 \quad \text{منفرد}$$

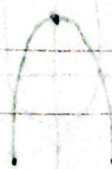
چون $\sin$ بین -1 و 1 است
پس مساوی
مفرد است

$$\frac{-b}{a} \Rightarrow \sin \alpha = -1$$

$$\frac{(n+1)(r_n - a)(n-1)(r_n + 1)}{(1+n)(1-n)}$$

$$-(r_n - a)(r_n + 1) \Rightarrow -r_n^2 + 1r_n + a = 0$$

$$\frac{-\Delta}{r_n} = \frac{-189}{-12} = 12$$



$$W_s - V = \omega p$$

✓

$$W \left(\frac{m+r}{m} \right) - V = \omega \left(-\frac{r}{m} \right) \Rightarrow \frac{W_{m+r}}{m} - V = -\frac{1}{m}$$

$$\frac{W_{m+r}}{m} + \frac{1}{m} = V \Rightarrow \frac{W_{m+r}}{m} = V$$

$$V_m = W_{m+r} \Rightarrow m = r$$

$$r_{m+r} + \frac{1}{m} - r = \dots \Rightarrow s - p \Rightarrow \frac{q}{r} + 1 \Rightarrow \frac{1}{r}$$

$$s = \frac{-b}{a} = \frac{-c}{r} \Rightarrow -\frac{r}{r}$$

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

$$\frac{r_a + B^{\omega}}{\omega B^r} \xrightarrow{\times B} \frac{r_{\alpha B} + B^{\omega}}{\omega B^r} \rightarrow \frac{\Lambda + B^{\omega}}{\omega B^r} \Rightarrow \frac{1}{\omega} \left(\frac{\Lambda}{B^r} + B^{\omega} \right)$$

$$\alpha B = r \Rightarrow \alpha = \frac{r}{B} \Rightarrow \alpha^r = \frac{\Lambda}{B^r}$$

$$\frac{1}{\omega} \left(\alpha^r + B^r \right) = \frac{1}{\omega} \left[(\alpha + B)^r - r_{\alpha B} (\alpha + B) \right] = \frac{1}{\omega} \times 9\omega = 9$$

$$an^r + bn + c = r_{m+1}.$$

(9)

$$an^r + (b-r)n - c = 0 \quad \Rightarrow \quad n=r \quad \Rightarrow \quad ra + (b-r)r - c = 0.$$

$$\Rightarrow ra + rb - r - c = 0 \Rightarrow ra + rb = 1.$$

$$n=-r \quad \Rightarrow \quad 9a - r(b-r) - c = 0 \Rightarrow 9a - r^2b + c - c = 0.$$

$$\begin{cases} 9a - r^2b = 0 \\ ra + rb = 1 \end{cases} \Rightarrow \begin{cases} 18a - 2b = 0 \\ 12a + 2b = 1 \end{cases} \Rightarrow \begin{cases} a = \frac{1}{12} \\ b = 1 \end{cases}$$

$$y = \frac{1}{12}n^r + n + c \quad \text{where } c = \frac{-b}{2a} = n = -\frac{r}{r}$$

$$r^n + (n+1)n + m + c = n$$

11.

$$r^n + mn + m + c = 0 \Rightarrow \Delta = 0 \Rightarrow m^r - r(m+c)(r)$$

$$m^r - 12m - r^2 = 0 \Rightarrow (m-12)(m+r) \quad m < \frac{12}{-r}$$