

Subject:

Date:

بناخذ

Sa Su Mo Tu We Th Fr

باسم تقبيل بقا ١٢

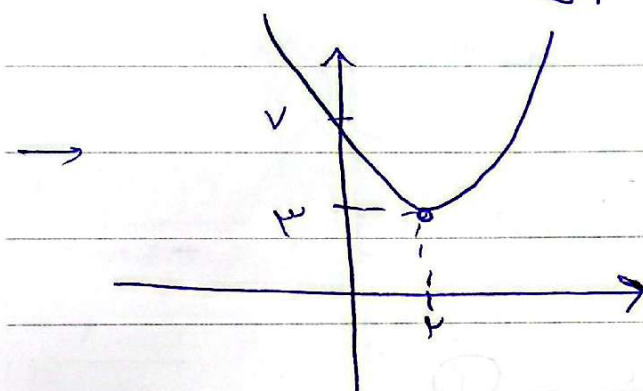
٢. عين امين

يا زهره رختك

$$n^2 - kn + v = y \quad \text{الف) ①}$$

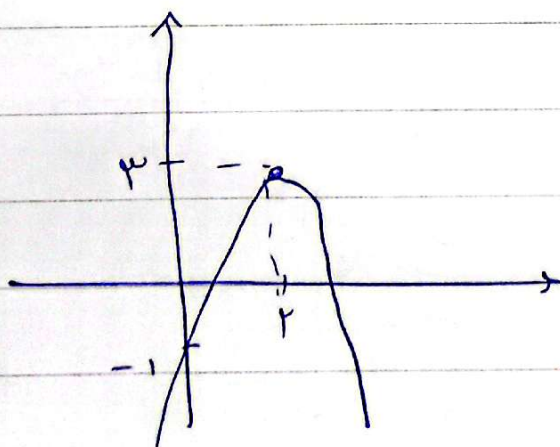
$$\frac{-b}{2a} \leq \frac{\varepsilon}{2} = 2 \quad \xrightarrow{\text{عرفن}} \quad 2 - 1 + v = \underline{3}$$

اس  $\varepsilon$  طول اس  $\varepsilon$



$$y = -n^2 + \varepsilon n - 1 \rightarrow \text{اس } \varepsilon \text{ طول اس } \varepsilon \quad \frac{-b}{2a} \leq \frac{-\varepsilon}{-2} \leq 2$$

$$y = -(2)^2 + 1 - 1 = -2 + 1 - 1 = \underline{-2}$$



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(۲) معادله ی  $r_m + (m+1)r + \frac{1}{r}m + k = 0$

(الف)  $\Delta \leq 0$  شرط مقایسه  $\Delta > 0$

$$\Rightarrow (m+1)^2 - 4 \left( \frac{1}{r} + m + r \right) > 0$$

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

$$(m-2)(m+4) > 0 \Rightarrow \frac{-3}{+} \frac{\delta}{-} \frac{\delta}{+}$$

$$\Rightarrow m \in (-\infty, -3) \cup (\delta, +\infty)$$

(ب)  $m^2 - 2m - 4r \leq 0 \Rightarrow m \in [-3, \delta] \Leftarrow \Delta \leq 0$  شرط مقایسه

(ج)  $m - 2m + 4 < 0 \Leftarrow \Delta < 0$  شرط مقایسه

$$(m-2)(m+4) < 0 \Rightarrow \frac{-3}{+} \frac{\delta}{-} \frac{\delta}{+} \Rightarrow m \in (-3, \delta)$$

(د)  $m \in (-\infty, -3) \cup [\delta, +\infty) \Leftarrow \Delta > 0$  شرط مقایسه

$$y = (m-2)x^2 - 2(m+1)x + 1, \quad (3)$$

الف) طلب ما  $\ominus \leftarrow$  ضيق آن ما  $\oplus$  و جيبان صفي است.

$$\Rightarrow \frac{-b}{a} < 0 \quad \text{و} \quad \frac{c}{a} > 0 \Rightarrow \frac{1}{m-2} > 0 \Rightarrow m > 2 \quad (4)$$

$$(4) \quad \frac{2m+2}{m-2} < 0 \Rightarrow \frac{-1}{+1} \frac{2}{+} \Rightarrow -1 < m < 2 \quad (5)$$

$$\frac{(4) \cap (5)}{\Rightarrow \emptyset \Rightarrow \text{مستحيل}}$$

(ب)

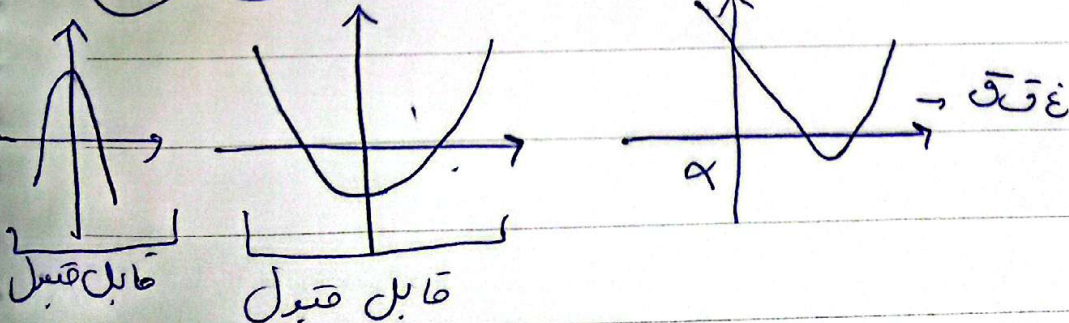
منى بدتره  $\frac{-b}{a} < 0$  و  $\frac{c}{a} < 0 \Rightarrow$  ضيق لامف

$$\Rightarrow \frac{1}{m-2} < 0 \Rightarrow m < 2 \quad (1) \quad \frac{2m+2}{m-2} < 0$$

$$\frac{-1}{+1} \frac{2}{+} \Rightarrow -1 < m < 2 \quad (2) \quad \frac{(1) \cap (2)}{\Rightarrow -1 < m < 2}$$

$m \in (-1, 2)$

(الف) (ب)



من ربه

۴۱۸

← با ۱ - ۲ یی مسبب یی و فنی ← ک و س و د

$$\rightarrow \frac{1}{m-r} \gamma \Rightarrow \underline{m < r} \text{ ①}$$

$$\phi(r(m+1))^r - r(l_0)(m-r) > 0$$

$$\langle \kappa_m^\nu + \Lambda m + \varepsilon - \varepsilon_0 m + \Lambda_0 \rangle_0$$

$$\langle m^r - \mu_r m + \lambda \rangle \xrightarrow{\div \lambda} m^r - \mu_r m + \textcircled{\lambda}$$

$$4\varepsilon - \varepsilon_x \uparrow = 1\varepsilon$$

← هذين صغيرتي د ←

$$\frac{-b}{r_a} = -r \Rightarrow \frac{r(m+1)}{r(m-r)} = -r$$

$$\Rightarrow m+1 = 2 - 1 \Rightarrow m = 1$$

$$\frac{r_n r}{r} - (r \sin) n + \frac{r}{r} = 0 \quad (8)$$

$$\Delta \geq 0 \Rightarrow r \sin^2 \alpha - r \times \frac{r}{r} \times \frac{r}{r} \geq 0 \Rightarrow r \sin^2 \alpha - r \geq 0$$

$$\Rightarrow \sin^2 \alpha \geq 1 \quad \text{---} \quad 0 \leq \sin^2 \alpha \leq 1 \quad \rightarrow \sin^2 \alpha \leq 1 \Rightarrow \sin \alpha = \pm 1$$

$$\sin \alpha \leq 1 \rightarrow \frac{r}{r} n^2 - r n + \frac{r}{r} = 0$$

$$\Delta \leq \varepsilon - \varepsilon \times \frac{r}{r} \times \frac{r}{r} = 0 \quad n \leq \frac{r + 0}{\frac{r}{r}} = \left( \frac{r}{r} \right)$$

$$(r) \quad \sin \alpha \leq -1 \Rightarrow \frac{r}{r} n^2 + r n + \frac{r}{r} = 0$$

$$\Delta \leq \varepsilon - \varepsilon \times \frac{r}{r} \times \frac{r}{r} = 0 \Rightarrow n \leq \frac{-r + 0}{\frac{r}{r}} = -\frac{r}{r} \quad \text{---} \quad \frac{r}{r} \leq 0$$

$$\quad \quad \quad (9)$$

$$y = \frac{(r_n r - r_{n-1})(r_n r - r_{n-1})}{1 - n^2} \quad a + b = b$$

في هذا الحد

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

$$= -n^2 + \frac{1}{r} n + \frac{1}{r} \rightarrow y = \frac{-\Delta}{\varepsilon a} = \left( \frac{r a}{r \varepsilon} \right)$$

$$m n^r (m+r) n - r_s \circ$$

⑤

$$W S = \partial \rho + V \Rightarrow \mu_x \frac{m+r}{m} s = \frac{r}{m} x \partial + V$$

$$\frac{W m + 4}{m} = \frac{V m - 1}{m}$$

$$\Rightarrow W m + 4 = V m - 1 \Rightarrow \boxed{m \leq 8}$$

$$\alpha^r + \beta^r = s^r - r \rho = \frac{a}{\varepsilon} + 1 = \left( \frac{1W}{\varepsilon} \right) \rightarrow \text{C.B.}$$

$$n^r \delta n + r_s \circ \rightarrow s = \delta \Rightarrow \rho \leq r$$

①

$$\frac{r\alpha + \beta\omega}{\partial\beta^r} \xrightarrow{\text{L.H.S.}} \frac{r\alpha}{\partial\beta^r} + \frac{\beta\omega}{\omega}$$

$$\beta \leq \frac{r}{\alpha} \Rightarrow \partial\beta^r \leq \frac{r_0}{\alpha^r} \Rightarrow \frac{\varepsilon\alpha}{\frac{r_0}{\alpha^r}} + \frac{\beta\omega}{\omega} = \frac{\alpha^r + \beta\omega}{\omega}$$

$$\alpha^r + \beta^r = s^r - W S \rho = 1 r \delta - \mu_x r_x \delta = \underline{a\omega}$$

$$\Rightarrow \frac{a\delta}{\delta} \leq 19$$

$$y_1 = am^v + bn + c \xrightarrow{(0, f)} c, f$$

④

$$y = pm + l_0 \Rightarrow \begin{matrix} m \rightarrow y = l\varepsilon \\ n \rightarrow y = \varepsilon \end{matrix} \Rightarrow l\varepsilon = pa + pb + \varepsilon$$

$\varepsilon a + pb \leq l_0$   
 $pa + b \leq \varepsilon$

$$\Rightarrow \varepsilon a - pb + \varepsilon \Rightarrow a = pb \Rightarrow b \leq pa$$

$$pa + pb \leq \varepsilon \rightarrow a \leq l_0, b \leq p$$

$$C/ba = \frac{-b}{pa} \leq \frac{-\mu}{p}$$



$$y = pm^v + (m+1)x + m+4$$

①

$$pm^v + (m+1)x + m+4 \leq x \Rightarrow pm^v + mx + m+4 \leq 0$$

$$m^v - \varepsilon x + (m+4) \leq 0$$

 $\Delta \leq 0$ 

$$m^v - \Delta m - \varepsilon \Delta \leq 0$$

$$(m - \varepsilon)(m + \varepsilon) \leq 0 \Rightarrow m \leq \varepsilon$$