

$$\lambda^T + \lambda - 1 - m^T z \cdot a^T \beta \quad \min(a^T + \beta^T)$$

$$-m^T - 1 \Rightarrow -1$$

$$\max \Rightarrow -1$$

$$(a - \beta)^T - \gamma(a - \beta)$$

$$\frac{-1}{1} - \gamma(a - \beta) \Rightarrow 1 - \gamma(-1) \geq \gamma$$

$$A(\gamma, \underline{v}), B(-\Delta, \underline{v})$$

دلیل
گسسته

اگر
میشود

$$a^T + \beta^T \geq \Delta$$

$$\frac{-\gamma a}{a} - \frac{\gamma c}{a} \geq \Delta$$

محدود
کدام
میشود

$$V \geq -\frac{\gamma c}{a} \Rightarrow \gamma a \leq -\gamma c$$

$$a^T x + b^T x + c \leq$$

$$\frac{-b}{\gamma a} \leq -1 \Rightarrow \gamma a \leq -b \Rightarrow b \leq \gamma a$$

$$a^T x + \gamma a x + c$$

$$\Rightarrow -\frac{\Delta}{\epsilon a} \Rightarrow \frac{\gamma a^T - \gamma a c}{-\epsilon a} \geq 1 \Rightarrow -\gamma a + \gamma c \geq \gamma$$

$$\gamma a - \gamma a + c \geq \gamma \Delta a - 1 \cdot a + c$$

$$\frac{\gamma a + \gamma c \geq 0}{-\gamma a \geq 1} \Rightarrow a \geq -\frac{\gamma}{a}$$

$$-\frac{\gamma}{a} a^T - \frac{\gamma}{a} a + c \geq 1$$

$$\Rightarrow -1 \Rightarrow \frac{\gamma}{a} + \frac{\gamma}{a} a \left(\frac{1}{a} \geq c \right) \geq 1 \Rightarrow c \geq \frac{1}{\gamma}$$

$$\lambda^T + \gamma a + a \geq \cdot \quad a < \beta < \cdot \quad \gamma a^T + \gamma \beta^T \geq 1 \sqrt{\gamma} + \lambda \Delta \quad a, \beta$$

$$1 \sqrt{\gamma} + \lambda \Delta \geq \frac{\Delta}{\gamma} (\gamma \beta - \gamma a) + \frac{1}{\gamma} (-\gamma \sqrt{a}) \quad \frac{a}{\gamma} (a^T + \beta^T) + \frac{1}{\gamma} (a^T - \beta^T)$$

$$\gamma \sqrt{\gamma} + 1 \sqrt{\gamma} \geq 1 \Delta - 1 \cdot a - \gamma \sqrt{a}$$

$$1 \cdot a \leq 1 \quad -\gamma \sqrt{\gamma}$$

$$\hookrightarrow \underline{a \geq 1}$$

$$a^T + \beta^T \geq \gamma \gamma - \gamma a \rightarrow -\gamma \sqrt{a}$$

سوال

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$$ra^r - aa + f \quad a, a' : \\ \frac{a}{r} = fa' \quad \frac{f}{r} = ra^r \Rightarrow fa' = \frac{f}{r} \Rightarrow a' = \frac{1}{r} \\ \text{یا } a' : a \Rightarrow -\frac{r}{r} \times \frac{f}{f} = -1 \quad \frac{f}{f} \times \frac{r}{r} = 1 \Rightarrow 1$$

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$$\sqrt{\frac{1}{a}} + \sqrt{\frac{1}{b}} = \Delta \quad \frac{r}{n} = 5 \Rightarrow -r$$

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$$\frac{1}{a} + \frac{1}{b} + r\sqrt{\frac{1}{ab}} = 2\Delta$$

$$\frac{a+b}{ab} = \frac{\frac{1}{a} + \frac{1}{b}}{\frac{1}{ab}}$$

$$\frac{n+1}{r} = n+1 + \frac{r}{r} = 2\Delta \Rightarrow -1$$

$$fa^r + ka^r - qa - r = 0$$

$$a \neq 0 \Rightarrow 1$$

$$ap = -r = \beta = -\frac{r}{a} \Rightarrow a = -\frac{r}{\beta} \Rightarrow a^r = \frac{-r}{\beta} < -1 \Rightarrow -f + k + q - r > r$$

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$$a^r + fa + a = 0 \quad a < \beta < 0 \quad ra^r + r\beta^r = 1\sqrt{r} + 1\Delta \quad a: ?$$

نست سینه

$$a^r - va^r - \Delta = 0 \quad \begin{matrix} \text{عبارت} = \delta \\ \text{عبارت} = \rho \end{matrix} \quad rp^r - r\delta p + r\delta \Rightarrow \left(\frac{v + \sqrt{v^2 + 4\Delta}}{2} \right)^r \Rightarrow \frac{v + \sqrt{v^2 + 4\Delta}}{2} \\ b^r - vb - \Delta = 0 \\ \frac{v + \sqrt{v^2 + 4\Delta}}{2} = \frac{v - \sqrt{v^2 + 4\Delta}}{2} \Rightarrow \frac{v + \sqrt{v^2 + 4\Delta}}{2} = \delta : \rho = -\frac{(v + \sqrt{v^2 + 4\Delta})}{2}$$

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$$ra^r - aa + b = 0 \quad ra^r + aa - f = 0 \quad \left[\frac{ab}{f} \right] \\ \frac{-a}{ra} = -\frac{1}{r} \quad \frac{-f}{ra} = -\frac{1}{r} \Rightarrow \frac{-a}{ra} = \frac{-f}{ra} \Rightarrow a = f \\ \frac{-1}{r} + r\left(\frac{1}{r}\right) = \frac{1}{r} \quad \frac{a}{r} = \frac{1}{r} \Rightarrow a = 1$$

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$$aa^r - aa - b = 0 \quad \begin{matrix} \frac{a}{a} = 1 \\ \frac{-b}{a} \end{matrix} \quad \begin{matrix} r\beta^r + ka^r - r\beta = 1\sqrt{r} \\ r\beta^r + a^r - \beta = \frac{1\sqrt{r}}{r} \end{matrix} \\ \frac{a}{a} = 1 \quad \frac{-b}{a} \quad \frac{a}{a} = 1 \quad \frac{-b}{a} \quad \frac{a}{a} = 1 \quad \frac{-b}{a} \quad \frac{a}{a} = 1 \quad \frac{-b}{a}$$

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$$\sqrt{a^r + f(ab)} = \frac{a^r + fa - \frac{r}{a}}{1a} \quad \frac{\sqrt{\frac{r}{1a}}}{1a} = \frac{\sqrt{\frac{r}{1a}}}{1a} \Rightarrow \sqrt{\frac{r}{1a}}$$

$$n^r - (a+1)a + a = 0 \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \\ n^r - (ra+1)a + b = 0 \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \quad \begin{matrix} \text{Berginor } a, \beta \\ \text{Berginor } a, \beta \end{matrix} \\ a = (\alpha)(\alpha+r) \Rightarrow \alpha^r + r\alpha = a \\ a+1 = r\alpha + r \\ \alpha = 1 - \beta \\ r\beta^r + r(1-\beta) - r\beta = 1 \Rightarrow r\beta(\beta-1) = -1 \rightarrow \alpha\beta = \frac{1}{r} = \frac{-b}{a} \quad (V)$$

$$\Rightarrow a = -r \cdot b \quad aa^r - aa - b = 0 \rightarrow -r \cdot ba^r + r \cdot ba - b = 0 \quad |\alpha - \beta| = \frac{\sqrt{\Delta}}{1a} = \frac{r}{1a}$$