

$$\frac{f(3) - f(1)}{3 - 1} = \frac{1 - a - (1 - a)}{2} = \frac{1 - 1 - \frac{a}{2} + \frac{a}{2}}{2} = \frac{0}{2} = 0$$

$$f'(u) = +a(u)^{-2} \Rightarrow au^{-2} = \frac{a}{2} \Rightarrow u = \sqrt{2}$$

$$ka^2 - au + 1/a = 0 \Rightarrow ka^2 - 2a + 1/a = 0$$

$$b^2 - \Sigma ae = 0 \quad \mu_1 = \Sigma (ka) \times ka = 0 \quad \mu_2 = \Sigma \Sigma a^2 = 0 \quad \mu_3 = \Sigma \Sigma a^2$$

$a = \frac{1}{2} \rightarrow a = \pm \frac{1}{2}$
 $a = -\frac{1}{2} a$
 $u^2 - 4u + 9 = 0 \rightarrow u = 3$
 $u^2 - 4u - 4 = 0 \rightarrow u = -2$

$$\mu_1 u^2 - 12 = 0 \quad \mu_2 (u^2 - \Sigma) \quad \mu_3 (u - 2)(u + 2)$$

$(42) \rightarrow \min \Rightarrow \Lambda - 2 \Sigma + 2 = -1 \Sigma$

$$\mu_1 u^2 + \mu_2 au - \mu_3 b \quad u=0 \Rightarrow b=0$$

$$k = -2 \quad -1 + \Sigma a + \Sigma \frac{b^2}{0} - \Sigma = 0$$

$$-12 + \Sigma a = 0 \Rightarrow a = 3$$

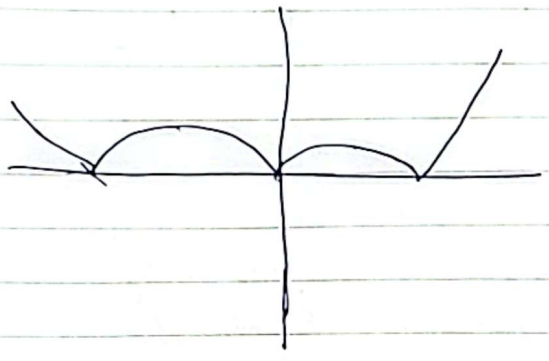
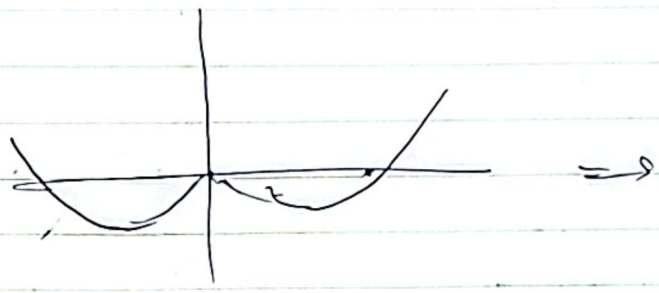
$$u^3 + \mu_1 u^2 \Rightarrow \Sigma$$

$$\frac{u=0}{u=-2} \quad -1 + 12 - \Sigma = 0$$

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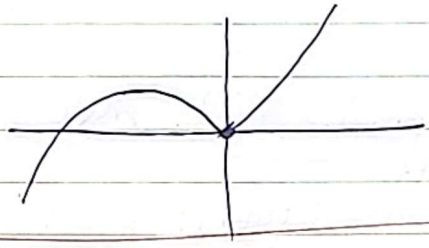
$u^r - a|u|$
 $|u|^r - a|u|$



\Rightarrow r_{min} r_{max} $\frac{r}{r}$

$u|u| + \frac{r}{r}u$ $\frac{r}{r}u$ $u^r + \frac{r}{r}u$

$-u^r + \frac{r}{r}u$
 $-u|u + \frac{r}{r}$



\Rightarrow r_{min} r_{max}

$\pm u^{\frac{r}{r}} (u-a)$

$\frac{r}{r} u^{\frac{r}{r}} (u-a) + \sqrt{\frac{r}{r}}$

$\frac{r}{r} u - a = \frac{r}{r} |u-a| + u = 0$

$u = \frac{r}{r} a \leq 0$
 $\Rightarrow u = \frac{r}{r} a$

$u = \frac{r}{r} a \leq 0 \leq a$
 \Rightarrow $u = \frac{r}{r} a$

$\left(\frac{r}{r} a \right)^{\frac{r}{r}} \left(\frac{r}{r} a - a \right)$

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

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

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

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

$\frac{r}{r} = \frac{r}{r}$

$$\begin{aligned}
 u \geq 0 & \quad \sqrt{u^2 - u} \rightarrow \frac{2u-1}{2\sqrt{u^2-u}} \rightarrow \frac{1}{2} \\
 u < 0 & \quad \sqrt{-u^2 - u} \rightarrow \frac{-2u-1}{2\sqrt{-u^2-u}} \rightarrow 0 \text{ و } 1 \\
 |u| > 0 & \quad u(|u|-1) < 0 \rightarrow \frac{-2u-1}{2\sqrt{-u^2-u}} \rightarrow \frac{1}{2} \text{ و } -1 \\
 & \quad \text{و } 0 \text{ و } -1 \text{ و } 1 \rightarrow \text{مرد}
 \end{aligned}$$

فصلنامه طردونی بسته
زیبا در یک فصلنامه

$$m=1 \quad n=1$$

$$k=0$$

مخرج و بسام جزر بدلتهاست

$$k=0 \quad m=1 \quad n=1$$

$$\frac{\omega + 1}{\omega - 1} = \frac{4}{\varepsilon} = \frac{3}{2}$$

$$\frac{m(-1+m) - 2}{(u+m-1)^2}$$

$$m^2 - m < 2 \quad -9$$

$$m^2 - m - 2 < 0$$

$$(m-2)(m+1) < 0$$

$u > 1$

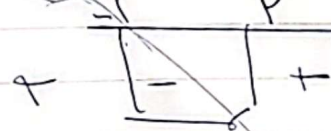
$$u+m-1 = 0 \Rightarrow m < 0$$

$$u+m-1=0$$

$$m-1 = -u$$

$$\Leftrightarrow -m+1 = u$$

$$\text{مخرج بدلتهاست} \Rightarrow -1 < m < 0$$



$$m = (-1, 2)$$

$$-m+1 > 1 \Rightarrow -m > 0 \Rightarrow m < 0$$

$$\begin{aligned}
 u > 0 & \quad \frac{u}{1-u^2} \cdot \frac{1(1-u^2) - 2u(u-1) - u^2}{(1-u^2)^2} \quad u = \pm \frac{1}{\sqrt{3}} \text{ و } \pm 1 \\
 & \quad \text{کدام و اینان بدلتهاست}
 \end{aligned}$$

$u < 0$

$$\frac{1(1+u^2) - 2u(u) - u^2}{(1+u^2)^2} = \frac{1-u^2}{(1+u^2)^2}$$

کدام و این بدلتهاست

از آنجا که $u < 0$ جزر داشته نیست از قاعده و جبرانی حذف رفته است $\frac{1}{\sqrt{3}}$ و 1 و -1 بدلتهاست