

Subject

Year

Month

Day

ماتریکس کے لیے

$$y' = \mu x^{\mu} + \mu a x - \mu b \Rightarrow \text{پہلا } \Rightarrow u = 0$$
$$u = -\mu$$

پہلا

$$\rightarrow S = -\mu + 0 = \frac{-\mu a}{\mu} \Rightarrow -\mu = -\mu a \Rightarrow a = 1$$

دوسرا

$$\rightarrow p = -\mu + 0 = \frac{-\mu b}{\mu} \Rightarrow b = 0$$

$$y = x^{\mu} + \mu a x^{\mu} - \mu b \Rightarrow u = 0 \Rightarrow y = -\mu \Rightarrow A(0, -\mu)$$

$$u = -\mu \Rightarrow y = -\mu + \mu - \mu = 0$$

$$B(-\mu, 0)$$

$$AB = \sqrt{(-\mu - 0)^2 + (0 - \mu)^2} = \sqrt{\mu^2 + \mu^2} = \sqrt{2\mu^2} = \mu\sqrt{2}$$

$$g' \leq 0$$

$$g = \frac{m^2 + 1}{m - 1 + m} \Rightarrow g' = \frac{m(m-1) - 1}{(m-1+m)^2} = \frac{m^2 - m - 1}{(m-1+m)^2}$$

$$\Rightarrow m^2 - m - 1 \leq 0 \Rightarrow -1 \leq m \leq 1$$

$$1 - m \leq 1 \Rightarrow 0 \leq m$$

$$\Rightarrow m = 1$$

$$m = 2$$

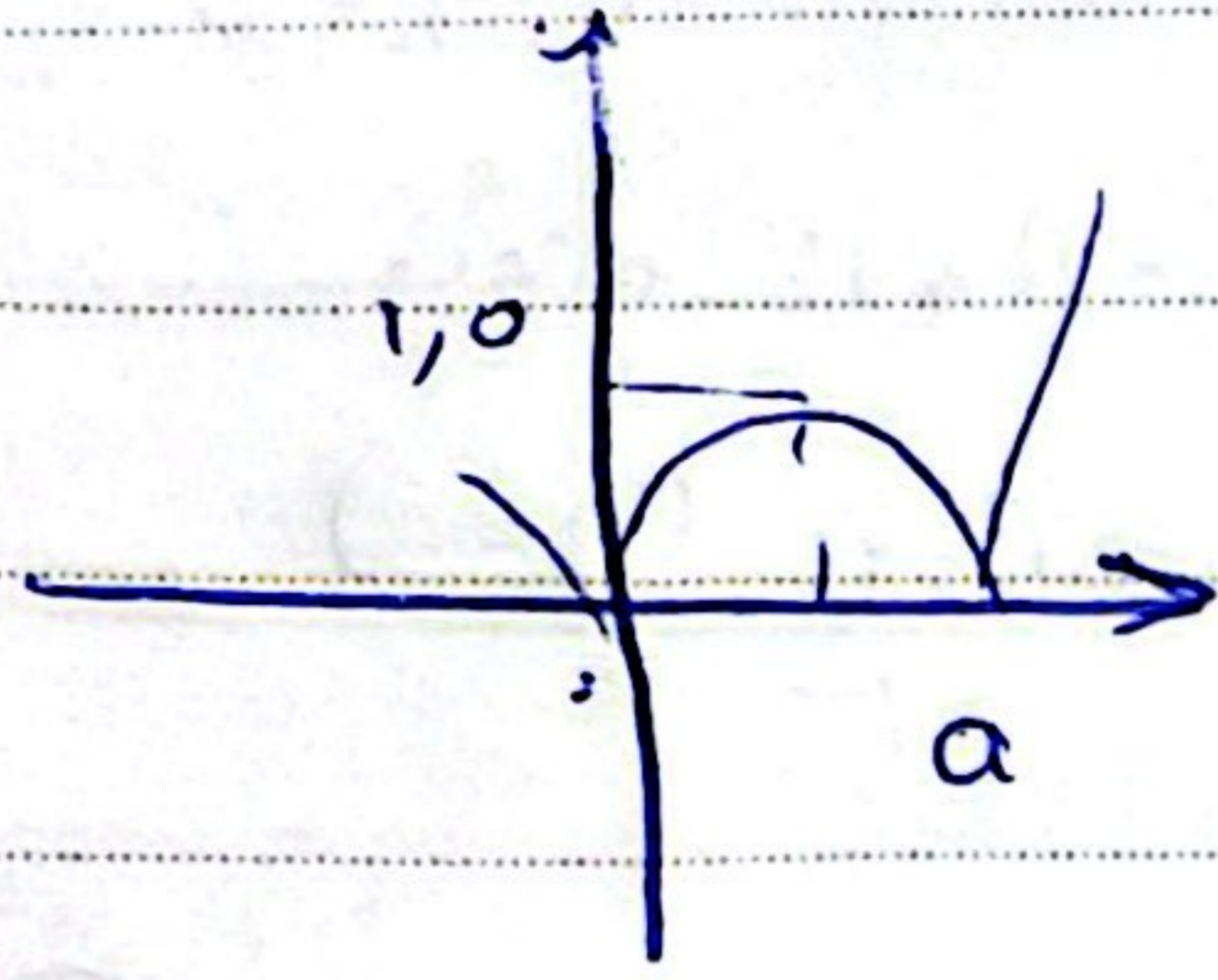
$$f'(u) = 0 \Rightarrow f'(u) = \frac{u^p}{u^p} - 1 = 0$$

(3)

$$\Rightarrow u^p = 1 \Rightarrow u = 1$$

u	0	1	∞
f'	+	0	-
f	↗	↘	↗

$$f(u) = \frac{u^p}{p} - 1 = \frac{1^p}{p} - 1 = \frac{1}{p} - 1$$



$$f(u) = -\sqrt{p}(u-a)$$

(4)

$$f'(u) = \frac{-\sqrt{p}}{\sqrt{u}} = 0$$

$$\Rightarrow -\sqrt{p} = \sqrt{u} \Rightarrow u = \frac{p}{0}$$

$$f(u) = -\sqrt{\frac{p}{0}} \left(-\frac{p}{0} \right) = 1/0$$

$$\Rightarrow a = \frac{p}{0}$$

$$\frac{f(u) - f(a)}{u} = \frac{1 - \frac{a}{u} - 1 + \frac{a}{1}}{u} = \frac{2/2}{2} = \frac{a}{u}$$

(5)

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