

$$\text{آنتی شرط} = \frac{1 - \frac{a}{\sqrt{2}} - (1 - a)}{\sqrt{2} - 1} = \frac{\frac{a}{\sqrt{2}}}{\sqrt{2} - 1} = \frac{a}{2}$$

$$\text{آنتی کفای} : f'(n) = -a \left(-\frac{1}{\sqrt{2}} \right) = \frac{a}{\sqrt{2}}$$

$$\frac{a}{\sqrt{2}} = \frac{a}{\sqrt{2}}$$

$$n = \pm \sqrt{2}$$

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$$x = y$$

$$y = 2ax^2 - 5x + 11a$$

$$0 = 2ax^2 - 5x + 11a$$

$$34 - \varepsilon(2a)(11a) = 0 \Rightarrow a = \frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}}$$

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$$y = x^2 - 12x + 2$$

$$y' = 2x^2 - 12$$

x	-2	2	
f'(x)	+	-	+
f(x)	↗	↘	↗
	max	min	

$$f(x) = 1 - 2\varepsilon + 2 = -12$$

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$$y = x^2 + \frac{r}{a}x - \varepsilon$$

$$y' = 2x + \frac{r}{a} = 0 \Rightarrow x = -\frac{r}{2a} = 0$$

$$12 - \varepsilon a = 0 \Rightarrow a = 2$$

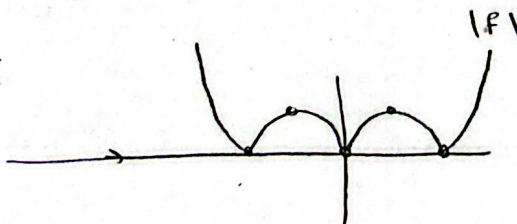
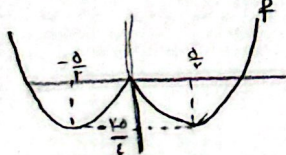
$$\begin{vmatrix} 0 & -r \\ -\varepsilon & 0 \end{vmatrix}$$

$$\sqrt{(r)^2 + (\varepsilon)^2} = 2\sqrt{2}$$

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$$f(x) = |x|^2 - a|x| + \frac{r_0}{\sqrt{2}} - \frac{r_0}{\varepsilon}$$

$$f = \left(|x| - \frac{a}{2} \right)^2 - \frac{r_0}{\varepsilon}$$



$$\frac{r_0}{\sqrt{2}} \left(\frac{\mu}{\sqrt{2}} \right)$$

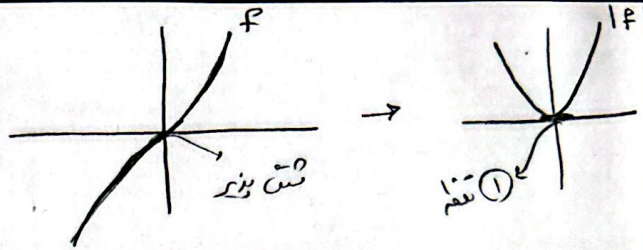
$$r_{\max} = \mu$$

$$r_{\min} = \mu$$

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$$f(x) = x(|x| + r)$$

$$f \begin{cases} x > 0: & x^r + r x \xrightarrow{f'} = r x^{r-1} + r \\ x < 0: & -x^r + r x \xrightarrow{f'} = -r x^{r-1} + r \end{cases}$$



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$$f = \sqrt[r]{n^r} (n-a)$$

$$[0, a]$$

$$\sqrt[r]{\frac{ca^r}{r^0}} \left(\frac{ra}{0} - a \right) = -\frac{x}{r}$$

$$(+\text{و} \text{و} \text{و}) f' = \frac{r}{r} x^{-\frac{r}{r}} (n-a) + r x^{\frac{r}{r}}$$

$$x^{-\frac{r}{r}} \left(\frac{r}{r} n + n - \frac{r}{r} a \right) = \frac{\frac{0}{r} x - \frac{r}{r} a}{r \sqrt[n]{n}}$$

$$\frac{ca^r}{r^0} \times \frac{a^r}{0 \times 0 \times 0} = \frac{-1}{r \times r \times r}$$

$$a^0 = -\frac{0}{r^0}$$

$$a = -\frac{0}{r}$$

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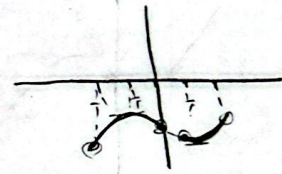
$$f = \sqrt{n|x| - n}$$

$$\frac{-1}{x} \left(\frac{1}{0} + \frac{1}{0} \right) \sqrt{-n^r - n}$$

$$x \geq 0$$

$$\sqrt{n^r - n}$$

$$\frac{0}{\sqrt{0 \times 0 \times 0}} \left(\frac{1}{0} + \frac{1}{0} \right)$$



k = E

m = m

n = n

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$$\frac{E+1}{E-1} = \left(\frac{E}{E} \right)$$

$$y = \frac{mx + r}{n + m - 1}$$

$$y' = \frac{m(m-1) - r}{(x + m - 1)^2}$$

$$m^r - m - r$$

$$\frac{-1}{+|-|} +$$

$$x + m - 1 = 0$$

$$m = 0$$

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$$f = \frac{x}{1 - n|x|}$$

$$f'(x) = \dots$$

$$f' = \frac{(1+n^r)}{(1-n^r)^2}$$

$$\frac{n}{1+n^r} \xrightarrow{+} -\frac{1}{r}$$

$$\frac{1-n^r}{(1+n^r)^2} = f$$

جذب لیت

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