

1)  $\lim_{x \rightarrow p^+} \epsilon x - p = \epsilon(p) - p = 0$

→  $\lim_{x \rightarrow p^-} \epsilon x - p = \epsilon(p) - p = 0$

Ⓐ

2)  $\lim_{x \rightarrow p^+} \epsilon [x] - p = \epsilon [p^+] - p \rightarrow \epsilon [p+1] - p = p - p = 0$

Ⓒ

Ⓐ

ب)  $\lim_{x \rightarrow p} \epsilon [x] - p = \epsilon [p] - p = \epsilon [p+1] - p = p - p = 0$

3)  $\lim_{x \rightarrow p^+} \epsilon [x - p] = \epsilon [p+1 - p] = \epsilon [1] = \epsilon$

Ⓓ

→  $\lim_{x \rightarrow p^-} \epsilon [x - p] = \epsilon [p - p] = \epsilon [0] = 0$

4)  $\lim_{x \rightarrow p^+} \epsilon [x - p] = \epsilon [p+1 - p] = \epsilon [1] = \epsilon$

Ⓒ

ب)  $\lim_{x \rightarrow p^-} \epsilon [x - p] = \epsilon [p - p] = \epsilon [0] = 0$

5)  $\lim_{x \rightarrow p^+} \frac{\epsilon x - p}{x - p} = \frac{\epsilon p - p}{p - p} = \frac{0}{0} = +\infty$

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ب)  $\lim_{x \rightarrow p^+} \frac{\epsilon x - p}{(x-p)^2} = \frac{\epsilon p - p}{(p-p)^2} = \frac{0}{0} = +\infty$

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6)  $\lim_{x \rightarrow p^+} \frac{p^+}{\sqrt{0^+}} = \frac{p}{0} = +\infty$

تعمیر شده

ب)  $\lim_{x \rightarrow p^+} \frac{\epsilon x - p}{\sqrt{x^2 - \epsilon x + p}} = \frac{\epsilon p - p}{\sqrt{(p-p)(x-p)}} = \frac{0}{0} = +\infty$

Ⓒ

تعمیر شده

7)  $\lim_{x \rightarrow p^+} \frac{\epsilon x - p}{x^2 - \epsilon x + p} = \frac{\epsilon p - p}{(p^2 - \epsilon p + p)} = \frac{0}{p} = 0$

Ⓒ

→  $\lim_{x \rightarrow p^+} \frac{\epsilon x - p}{x - p} = \frac{p}{0} = +\infty$

1)  $\lim_{x \rightarrow \infty} [x^p] + [-x^p] = \lim_{x \rightarrow \infty} [x^p - x^p] = \lim_{x \rightarrow \infty} 0 = 0$

$\lim_{x \rightarrow \infty} [x^p] + [-x^p] = \lim_{x \rightarrow \infty} [x^p - x^p] = \lim_{x \rightarrow \infty} 0 = 0$

$\lim_{x \rightarrow -\infty} [-x^p] + [x^p] = \lim_{x \rightarrow -\infty} [-x^p + x^p] = \lim_{x \rightarrow -\infty} 0 = 0$

9)  $\lim_{x \rightarrow r} [x^r - \epsilon x] \Rightarrow x^r - \frac{\epsilon}{2} < r$

$\lim_{x \rightarrow r} [-x^r + \epsilon x] \Rightarrow x^r - \frac{\epsilon}{2} < -r$

10)  $\lim_{x \rightarrow r} \frac{|x-r|}{x^r - r^r} = \frac{r^r - r^r}{(r-r)(r-1)} = \frac{0}{0}$

1,8

5/20/20

$\lim_{x \rightarrow 1} \frac{x - [x]}{x^r - 1}$

$\frac{1 - 1}{(1-1)(r+1)} = \frac{0}{0}$