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لیت بزرگ

شماره → در نظر

تلف: باز هم دفتر A

①  $\lim_{x \rightarrow \mu^+} f(x) = \mu$  ⑤

$\lim_{x \rightarrow \mu^-} f(x) = \mu$  ⑤

②  $\lim_{x \rightarrow \mu^+} f(x) - \mu = 0$  ⑤

$\lim_{x \rightarrow \mu^-} f(x) - \mu = 0$  ①

چون داخل برآید، خود کرد ② بیت دارد نه نه کنیم

③  $\lim_{x \rightarrow \mu} [f(x) - \mu] = 0$  ⑤

$\lim_{x \rightarrow \mu} [f(x) - \mu] = 0$  ④

④  $\lim_{x \rightarrow \mu^+} [f(x) - \mu] = 0$  ⑤

$\lim_{x \rightarrow \mu^-} [f(x) - \mu] = 0$  ⑤

⑤  $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{x - \mu} \rightarrow +\infty$  ⑤

$\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{(x - \mu)^2} \rightarrow +\infty$  ⑤

صورت در حد صفر و مخرج صفر تریب

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⑥  $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{\sqrt{x - \mu}} \rightarrow +\infty$  ⑤

$\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{\sqrt{x^2 - \mu x + \mu}} \rightarrow +\infty$  ⑤

⑦  $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{\mu^2 - \mu x + \mu} \rightarrow +\infty$  ⑤

$\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{(x - \mu)^2} \rightarrow +\infty$  ⑤

⑧  $\lim_{x \rightarrow \mu} [f(x) + (-f(x))]$  ⑤

$\lim_{x \rightarrow -\mu} [-f(x) + f(x)]$  ⑤

$\mu^+ \rightarrow \mu_1 \rightarrow [a, \mu] + [-\mu, \mu] \rightarrow 0$  ②

$-\mu^+ \rightarrow -\mu_1 \rightarrow [-\mu, -\mu] + [-\mu, -\mu] \rightarrow 0$  ②

$\mu^- \rightarrow \mu_2 \rightarrow [\mu, \mu] + [-\mu, -\mu] \rightarrow 0$  ②

$-\mu^- \rightarrow -\mu_2 \rightarrow [\mu, \mu] + [-\mu, -\mu] \rightarrow 0$  ②

①  $\lim_{n \rightarrow \infty} [n^p - kn]$   $\gg \infty$

$$\begin{aligned} n \rightarrow \infty \\ \begin{cases} r^+ \rightarrow \infty \Rightarrow [r^p/r - n/r] = -\infty \\ r^- \rightarrow \infty \Rightarrow [r^p/r - n/r] = -\infty \end{cases} \end{aligned}$$

$\lim_{n \rightarrow \infty} [4n - n^2]$   $\gg \infty$

$$\begin{aligned} n \rightarrow \infty \\ \begin{cases} r^+ \Rightarrow [1/r - 4/r^2] = 1 \\ r^- \Rightarrow [1/r - 4/r^2] = 1 \end{cases} \end{aligned}$$

②  $\lim_{n \rightarrow \infty} \frac{|n-2|}{n^2 - 2n + 2}$   $\gg \infty$

$$\begin{aligned} \frac{0}{0} \approx \text{تجزیه} \\ \begin{cases} r^+ \Rightarrow \frac{n-2}{(n-1)(n-2)} \Rightarrow \textcircled{1} \\ r^- \Rightarrow \frac{-n+2}{(n-1)(n-2)} \Rightarrow \textcircled{-1} \end{cases} \end{aligned}$$

$\lim_{n \rightarrow \infty} \frac{n - [4]}{n^2 - 1}$

$$\begin{aligned} n \rightarrow \infty \\ \begin{cases} r^+ \Rightarrow \frac{n-4}{(n+1)(n-1)} = \frac{1}{n} \rightarrow 0 \\ r^- \Rightarrow \frac{n}{n^2-1} \rightarrow -\infty \end{cases} \end{aligned}$$