

$$\lim_{x \rightarrow x^+} f(x) = \infty$$

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

$$\lim_{x \rightarrow x^+} f[x] = \infty$$

$$\lim_{x \rightarrow x^-} f[x] = 1$$

$$\lim_{x \rightarrow x^+} [f(x)] = \infty$$

$$\lim_{x \rightarrow x^-} [f(x)] = \infty$$

$$[\lim_{x \rightarrow x^+} f(x)] = \infty$$

$$[\lim_{x \rightarrow x^-} f(x)] = \infty$$

$$\lim_{x \rightarrow x} \frac{f(x)}{x-x} \begin{cases} \text{nr} & \frac{q}{0^+} = +\infty \\ \text{nr} & \frac{q}{0^-} = -\infty \end{cases}$$

$$\lim_{x \rightarrow x} \frac{f(x)}{(x-x)^r} \begin{cases} \text{nr} & \frac{q}{0^+} = +\infty \\ \text{nr} & \frac{q}{0^-} = +\infty \end{cases}$$

$$\lim_{x \rightarrow x} \frac{f(x)}{\sqrt{x-x}} \begin{cases} \text{nr} & \frac{q}{0^+} = +\infty \\ \text{nr} & \frac{q}{0^-} = 0 \end{cases}$$

$$\lim_{x \rightarrow x} \frac{f(x)}{\sqrt{x^2 - \epsilon_2 x^2}} \begin{cases} \text{nr} & \frac{q}{0^+} = +\infty \\ \text{nr} & \frac{q}{0^-} = 0 \end{cases} \quad \frac{1}{+ \frac{1}{-} - \frac{1}{+}}$$

$$\lim_{x \rightarrow x} \frac{f(x)}{x^2 - \sqrt{x} + 1} \begin{cases} \text{nr} & \frac{q}{0^-} = -\infty \\ \text{nr} & \frac{q}{0^+} = +\infty \end{cases} \quad \frac{1}{+ \frac{1}{-} - \frac{1}{+}}$$

$$\lim_{x \rightarrow x} \frac{f(x)}{[x-x]} \begin{cases} \text{nr} & \frac{q}{0^+} = 0 \\ \text{nr} & \frac{q}{-1} = -q \end{cases}$$

$$\lim_{x \rightarrow x} [x] + [-x] \begin{cases} \text{nr} & q - \sqrt{x} = \sqrt{x} \\ \text{nr} & 1 - \sqrt{x} = \sqrt{x} \end{cases}$$

$$\lim_{x \rightarrow x} [-f(x)] + [f(x)] \begin{cases} \text{nr} & \sqrt{x} - 1 = 1 \\ \text{nr} & \sqrt{x} - 1 = 1 \end{cases}$$

$$\lim_{x \rightarrow x} [x^2 - \epsilon_2] \begin{cases} \text{nr} & -f \\ \text{nr} & -f \end{cases}$$

$$\lim_{x \rightarrow x} [y(x) - x^2] \begin{cases} \text{nr} & \uparrow \\ \text{nr} & \uparrow \end{cases}$$

$$\lim_{x \rightarrow x} \frac{|x-x|}{x^2 - \epsilon_2 x^2} = \frac{0}{0} \begin{cases} \text{nr} & \frac{x-x}{(x^2)(x-1)} = 1 \\ \text{nr} & \frac{-(x-x)}{(x^2)(x-1)} = -1 \end{cases}$$

$$\lim_{x \rightarrow 1} \frac{x - [x]}{x^2 - 1} = \frac{0}{0} \begin{cases} \text{nr} & \frac{x-1}{(x-1)(x+1)} = \frac{1}{x} \\ \text{nr} & \frac{x}{x^2-1} = \frac{1}{0^-} = -\infty \end{cases}$$