

$$\lim_{x \rightarrow r^+} \epsilon x - r \Rightarrow \Lambda^+ - r = \Delta^+ \Rightarrow \Delta$$

$$\lim_{x \rightarrow r^-} \epsilon x - r \Rightarrow \Lambda^- - r = \Delta^- \Rightarrow \Delta$$

$$\lim_{x \rightarrow r^+} \epsilon [a] - r \quad \Lambda^- - r = \Delta$$

$$\lim_{x \rightarrow r^-} \epsilon [a] - r \quad \epsilon - r = 1$$

$$\lim_{x \rightarrow r^+} [\epsilon a - r] \quad \Lambda^+ - r = \Delta^+ \Rightarrow \Delta$$

$$\lim_{x \rightarrow r^-} [\epsilon a - r] \quad \Lambda^- - r = \Delta^- \Rightarrow \epsilon$$

$$\left[ \lim_{x \rightarrow r^+} \epsilon x - r \right] \quad \Lambda^+ - r = \Delta^+ \Rightarrow \Delta \Rightarrow [\Delta] = \Delta$$

$$\left[ \lim_{x \rightarrow r^-} \epsilon x - r \right] \quad \Lambda^- - r = \Delta^- \Rightarrow \Delta \Rightarrow [\Delta] = \Delta$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{x - r} \quad \begin{cases} r^+ & \Lambda^+ - r = \frac{q^+}{0^+} = \infty \\ r^- & \Lambda^- - r = \frac{q^-}{0^-} = -\infty \end{cases} \times$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{(x - r)^2} \quad \begin{cases} r^+ & \Lambda^+ - r = \frac{q^+}{0^+} = \infty \\ r^- & \frac{q^-}{0^-} = \infty \end{cases} \times$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{\sqrt{x - r}} \quad \begin{cases} r^+ & \frac{q^+}{0^+} = \infty \\ r^- & \frac{q^-}{0^-} = \infty \end{cases} \times$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{\sqrt{x^2 - \epsilon a + r}} \quad \begin{cases} r^+ & \frac{q^+}{0^+} = \infty \\ r^- & \frac{q^-}{0^-} = \infty \end{cases}$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{x^2 - \sqrt{x+1}} \quad \begin{cases} r^+ & \frac{q^+}{0^+} = \infty \\ r^- & \frac{q^-}{0^-} = \infty \end{cases} \times$$

$$\lim_{x \rightarrow r} \frac{\epsilon x - r}{[x - r]} \quad \begin{cases} r^+ & \frac{q^+}{0^+} = \infty \\ r^- & \frac{q^-}{0^-} = -\infty \end{cases}$$

$$\lim_{x \rightarrow r} [\epsilon x] + [-r x] \quad \begin{cases} r^+ & q - v \\ r^- & \Lambda - f \end{cases}$$

$$\lim_{x \rightarrow -f} [-\epsilon x] + [x a] \quad \begin{cases} -f > x \Rightarrow r f - \epsilon x \Rightarrow r f - \Lambda = 1 \\ -f < x \Rightarrow r f > -\epsilon x \Rightarrow r f - \Lambda = 1 \\ -f > x \Rightarrow -\Lambda > x a \Rightarrow -\Lambda \\ -f < x \Rightarrow -\Lambda < x a \Rightarrow -\Lambda \end{cases}$$

$$\lim_{x \rightarrow r} [x^2 - \epsilon a] \quad \begin{cases} r^+ \Rightarrow r, x \Rightarrow \epsilon, \Lambda^+ - \Lambda \Rightarrow \\ -r a \Rightarrow (-f) \\ r^- \Rightarrow \Lambda \Rightarrow r, r f - v, r \\ \Rightarrow -f \end{cases}$$

$$\lim_{x \rightarrow r} [x a - x^2] \quad \begin{cases} r, 1 \Rightarrow \Lambda, q a \Rightarrow \Lambda \\ r, q \Rightarrow \Lambda, q a \Rightarrow \Lambda \end{cases}$$

$$\lim_{x \rightarrow r} \frac{|x - r|}{x^2 - \epsilon a + r} \quad \begin{cases} r^+ & \frac{x - r}{(x-1)(x+1)} = \frac{1}{r-1} \\ r^- & \frac{1 - r}{(x-1)(x+1)} = \frac{-1}{r-1} \end{cases}$$

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