LIMIT DEFINITIONS

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The statement

$$\lim_{x \to (Q)} f(x) = (P)$$
(1)

is defined as

"For every (A), there exists (B) such that if (C) then (D)" (2) using the following tables:

For example, the statement

$$\lim_{x \to 0^-} \frac{1}{x} = -\infty$$

is defined as

"For every N < 0, there exists $\delta > 0$ such that if $-\delta < x - 0 < 0$ then $\frac{1}{x} < N$ "

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