Example 0.0.1 $(f(x) = \frac{x-1}{x-1})$

- $\lim_{x \to 1}$

Example 0.0.2 (2)

$g(x) = \begin{bmatrix} x \neq 2, & x^2 \\ x = 2, & 1 \end{bmatrix}$

$$\lim_{x \to 2} g(x)$$