Exercises

E16.2 [1CZ] Suppose that a given function $f : (a, b) \to R$ is differentiable at every point of (a, b) except x_0, and that the limit $\lim_{t \to x_0} f(t)$ exists and is finite. Show that f is also differentiable in x_0 and that $f(x_0) = \lim_{t \to x_0} f(t)$.

[[1D0]]