

## Exercises

E17.15 [1D4] Let  $f : (a, b) \rightarrow \mathbb{R}$  be differentiable and such that, if  $f(t) = 0$ , then  $f'(t) = 0$ . Show that the function  $g(t) = |f(t)|$  is differentiable.

[ [1D5] ]

**Solution 1.** [1D6]