## Exercises

E13.7 [14P]Prerequisites: [0S6].Difficulty:\*.

## Let $C \subset \mathbb{R}$ be a closed set, and let $f : C \to \mathbb{R}$ be continuous function. Show that there exists $g : \mathbb{R} \to \mathbb{R}$ continuous and extending f, i.e. $g_{|_C} = f$ .

Solution 1. [14q]