Exercises

E13.2 [14M] Prerequisites: [OT5]. Let $f : \mathbb{R} \to \mathbb{R}$ be a bounded function. Let it be shown that there at most countably many points where a discontinuity may be removed (i.e. the points z for which $\lim_{x \to z} f(x) \neq f(z)$, see [43]).