

## Exercises

3.253 [043] Prerequisites: [036], [040]. Let  $A_t$  be sets with cardinality less than or equal to the continuum, for  $t \in \mathbb{R}$ . Show that  $\bigcup_{t \in \mathbb{R}} A_t$  has cardinality of the continuum.

**Solution 1.** [044]