

## Exercises

3.200 [25Q] Prerequisites: [01R], [224]. If  $A$  is a set where  $\in$  is transitive, we define

$$x \leq y \doteq x \in y \vee x = y$$

prove that  $x \leq y$  is a (possibly partial) order relation in  $A$ .

**Solution 1.** [25S]