Exercises

23.46 [23T](*Proposed on 2022-10-11*) (Solved on 2022-10-25) Prove that the definition [1W1] of intersection is well posed, using the Z-F axioms. Eventually prove also that

$$\forall x, x \in \bigcap_{i \in I} C_i \iff (I \neq \emptyset \land \forall i \in I, x \in C_i) \quad . \tag{3.46}$$

Solution 1. [23V]