Exercises

- E3.53 [020] Prerequisites: [024] .(Solved on 2022-10-25) Given A non-empty set show that there is a bijection $f : A \to B$ between A and a set B disjoint from A.
 - More generally, let *I* a non-empty set of indexes, and A_i a family of non-empty sets indexed by $i \in I$; ^{*a*} show that there are bijections $f_i : A_i \to B_i$, where the sets B_i enjoy $\forall i \in I, \forall j \in I, B_i \cap A_j = \emptyset$ and for $j \neq j$ also $B_i \cap B_j = \emptyset$.

Solution 1. [021]

^aCf. [01M]