

Exercises

3.211 [07X] Prerequisites: [08Z] . (Solved on 2023-01-17) (Proposed on 2022-12) Let X be totally ordered set. Show that these are equivalent:

(a) X is well ordered;

(b) there are no strictly decreasing functions $f : \mathbb{N} \rightarrow X$.

(This is a special case of [263])