Exercises

E3.81 [263] Prerequisites:[08Z],[02H].*(Solved on 2022-10-13)* Let X be ordered (partially). Show that these are equivalent

(a) in each non-empty subset $A \subseteq X$ there is at least one minimal element;

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

Solution 1. [07Y]