Exercises

3.194 [25W] Having fixed $N \in \mathbb{N}$, consider the ordering $n \subseteq m$ for $n, m \in N$. Since $N \subseteq \mathbb{N}$ is well ordered, then Proposition [26J] implies that $(N, \subseteq)$ is well ordered; nonetheless prove directly by induction that $n \subseteq m$ is a well ordering in N.

Solution 1. *[25X]*