data Order: $\mathbb{N} \to \mathbb{N} \to \mathsf{Set}$ where $leg: \forall \{m \ n : \mathbb{N}\} \rightarrow m \leq n \rightarrow Order \ m \ n$ geq : $\forall \{m \ n : \mathbb{N}\} \rightarrow n \leq m \rightarrow \text{Order } m \ n$ \leq -compare : $\forall \{m \ n : \mathbb{N}\} \rightarrow \mathsf{Order} \ m \ n$ \leq -compare $\{zero\}$ $\{n\} = leg z \leq n$ \leq -compare $\{\text{suc } m\} \{\text{zero}\} = \text{geq } z \leq n$ \leq -compare $\{$ suc $m\}$ $\{$ suc $n\}$ with \leq -compare $\{$ m $\}$ $\{$ n $\}$