

data $_ \leq _$: $\mathbb{N} \rightarrow \mathbb{N} \rightarrow \text{Set}$ where

$z \leq n$: $\forall \{n : \mathbb{N}\} \rightarrow \text{zero} \leq n$

$s \leq s$: $\forall \{m \ n : \mathbb{N}\} \rightarrow m \leq n \rightarrow \text{suc } m \leq \text{suc } n$

data $_ < _$: $\mathbb{N} \rightarrow \mathbb{N} \rightarrow \text{Set}$ where

$z < s$: $\forall \{n : \mathbb{N}\} \rightarrow \text{zero} < \text{suc } n$

$s < s$: $\forall \{m \ n : \mathbb{N}\} \rightarrow m < n \rightarrow \text{suc } m < \text{suc } n$