

-- Fin-based approach

--suc : $\forall \{n\ m\} \rightarrow \{m \leq n : m \leq n\}$

$\rightarrow \text{suc } (n \leq \rightarrow \text{Fin } m \leq n) \equiv \text{suc } n \leq \rightarrow \text{Fin } (\leq\text{-trans } m \leq n \ n \leq \text{suc-}n)$