

## **l.before\_transitivity**<sup>11,40</sup>

$\forall T:\text{Type}, l:(T \text{ List}), x, y, z:T.$

$\text{no\_repeats}(T;l) \Rightarrow x \text{ before } y \in l \Rightarrow y \text{ before } z \in l \Rightarrow x \text{ before } z \in l$

ProofTree