Inference at $*$ 2 1 1 1
 of proof for Lemma before_last:

1. T : Type
2. T List
3. u : T
4. v : T List
5. $\forall x{:}T.\ (x \in v) \Rightarrow (\neg(x = \text{last}(v))) \Rightarrow x$ before $\text{last}(v) \in v$
6. x : T
7. $x = u$
8. $v = []$
9. z : T List

$\vdash \neg(\uparrow\text{null}([u\ /\ z]))$
 by ((Reduce 0)
 CollapseTHEN (SimpConcl))·

.