

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

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

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