

Inference at *
of proof for Lemma last_member:

```
⊢∀T:Type, L:(T List). (¬(↑null(L))) ⇒ (last(L) ∈ L)
by (((Unfolds "l_member last" 0)
CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))))·
CollapseTHEN (
Assert ||L|| > 0

THENL [(((RW assert_pushdownC (-1))
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))))·
)
CollapseTHEN (Easy));

((InstConcl [||L|| - 1])
CollapseTHEN (
(Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term))))·
]]·
```