

Inference at \* 1  
of proof for Lemma squash\_elim:

1.  $P : \mathbb{P}$
2.  $(\downarrow P) \Rightarrow P$
3.  $\downarrow P$

$\vdash P$

by ((BackThruHyp 2)

CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n  
) ,(first\_nat 4:n)) (first\_tok :t) inil\_term))))).

.