

Inference at \* 2  
of proof for Lemma squash\_elim:

1.  $P : \mathbb{P}$
  2.  $(\downarrow P) \Rightarrow P$
  3.  $P$
- $\vdash \downarrow P$   
by ((D 0)  
CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat 4:n)  
)) (first\_tok :t) inil\_term)))