

Inference at * 1
of proof for Lemma squash_functionality_wrt_implies:

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1.  $P : \mathbb{P}$ 
2.  $Q : \mathbb{P}$ 
3.  $P \Rightarrow Q$ 
4.  $\downarrow P$ 
 $\vdash \downarrow Q$ 
  by ((((((D 4)
    CollapseTHEN (D 0)).)
    CollapseTHEN (D 3)).)
    CollapseTHEN (
      (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term))))).
  .

```