

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

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