

Inference at *
of proof for Lemma sq_stable_and:

$\vdash \forall P, Q : \mathbb{P}. \text{SqStable}(P) \Rightarrow \text{SqStable}(Q) \Rightarrow \text{SqStable}(P \ \& \ Q)$
by ((Unfold 'sq_stable' 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term))))).

1:

1. $P : \mathbb{P}$
 2. $Q : \mathbb{P}$
 3. $(\downarrow P) \Rightarrow P$
 4. $(\downarrow Q) \Rightarrow Q$
 5. $\downarrow(P \ \& \ Q)$
- $\vdash P$

2:

1. $P : \mathbb{P}$
 2. $Q : \mathbb{P}$
 3. $(\downarrow P) \Rightarrow P$
 4. $(\downarrow Q) \Rightarrow Q$
 5. $\downarrow(P \ \& \ Q)$
- $\vdash Q$

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