

Inference at * 1 0
of proof for Lemma sq_stable_iff:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. $\text{SqStable}(P)$
4. $\text{SqStable}(Q)$
 $\vdash \text{SqStable}(P \iff Q)$
by PERMUTE{1:n, 2:n, 3:n, 4:n, 5:n, 4:n, 3:n, 6:n}

1:wf..... NILNIL

$\vdash (P \Rightarrow Q) \in \mathbb{P}$

2:wf..... NILNIL

$\vdash (Q \Rightarrow P) \in \mathbb{P}$

3:wf..... NILNIL

$\vdash P \in \mathbb{P}$

4:wf..... NILNIL

$\vdash Q \in \mathbb{P}$

5:

$\vdash \text{SqStable}(Q)$

6:

$\vdash \text{SqStable}(P)$

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