Inference at $*$ 1
of proof for Lemma sq_stable__iff:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. SqStable(P)
4. SqStable(Q)

$\vdash$SqStable($P \iff Q$)

by InteriorProof ((((Repeat (Unfolds “iff rev_implies“ 0))
CollapseTHEN (
Backchain “sq_stable__and sq_stable__implies“))·)
CollapseTHEN (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
:t) inil_term)))·

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_101685_{sq_stable__iff}1.html