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

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. Refl(T;x,y.$R(x,y)$)
4. Trans(T;x,y.$R(x,y)$)

$\vdash$ Refl(T;a,b.$R(a,b)$ & $R(b,a)$)
by InteriorProof ((((TryOnAllClauses (Unfold 'refl'))
CollapseTHEN (HypBackchain))·)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)))·

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_81528_{symmetrized_preorder}1.html