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

. . . . .eq aux. . . . . NILNIL

1. T : Type
2. E : $T \rightarrow T \rightarrow \mathbb{P}$
3. ($\forall a{:}T.\ E(a,a)$) & ($\forall a,\ b{:}T.\ E(a,b) \Rightarrow E(b,a)$) & ($\forall a,\ b,\ c{:}T.\ E(a,b) \Rightarrow E(b,c) \Rightarrow E(a,c)$)
4. x : T

$\vdash E(x,x)$
 by ((BHyp 3)
 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_79062_{quotient_wf}1_1.html