Inference at $*$ 1 3 1
of proof for Lemma quotient_wf:

1. T : Type
2. E : $T \to T \to \mathbb{P}$
3. $\forall a{:}T.\ E(a,a)$
4. $\forall a, b{:}T.\ E(a,b) \Rightarrow E(b,a)$
5. $\forall a, b, c{:}T.\ E(a,b) \Rightarrow E(b,c) \Rightarrow E(a,c)$
6. x : T
7. y : T
8. x_1 : T
9. $E(x,y)$
10. $E(y,x_1)$

$\vdash E(x,x_1)$

by ((FHyp 5 [9;10])
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 4:n)) (first_tok :t) inil_term)))·

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_79062_{quotient_wf}1_3_1.html