Inference at $*$ 1 1 4 1 3
 of proof for Lemma gen_hyp_tp:

. . . . .wf. . . . . NILNIL

1. A : Type
2. e : A
3. H : A→Type
4. $H(e)$
5. $A \in$ Type
6. $e \in A$
7. $\forall x{:}A.\ (e = x) \in$ Type
8. x : A

$\vdash (e = x) \in$ Type
 by ((MemCD)
 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_98517_{gen_hyp_tp}1_1_4_1_3.html