Inference at $*$ 1 1 4 2 1 3
 of proof for Lemma gen_hyp_tp:

. . . . .equality. . . . . NILNIL

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

$\vdash e = x$
  by %L:equality%
Id

  1: . . . . .equality. . . . . NILNIL

    $\vdash e = x$
  .