Inference at * 1 1
 of proof for Lemma gen_hyp_tp:

1. A : Type
2. e : A
3. H : A→Type
4. z : $H(e)$
⊢ $z \neq 0$
  by (%S%
\p.
  let UA = get_term_arg ‘UA‘ p
  inlet A = get_term_arg ‘A‘ p

    in let e = get_term_arg ‘e‘ p
  in let x = get_term_arg ‘x‘ p
  in
   AssertL

       [mk_member_term UA A
     ;mk_member_term A e
     ;mk_all_term (dv x) A (
  mk_member_term
                    UA (mk_equal_term A e x))
     ]
    p)

  1: . . . ..assertion. . . .. NILNIL

     ⊢ $A \in$ Type
  2: . . . ..assertion. . . .. NILNIL

     5. $A \in$ Type
     ⊢ $e \in A$
  3: . . . ..assertion. . . .. NILNIL

     5. $A \in$ Type
     6. $e \in A$
     ⊢ $\forall x{:}A.\ (e = x) \in$ Type
  4:

     5. $A \in$ Type
     6. $e \in A$
     7. $\forall x{:}A.\ (e = x) \in$ Type
     ⊢ $z \neq 0$

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http://www.nuprl.org/FDLcontent/p0_359040_/p121_98517_{gen_hyp_tp}1_1.html