

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 ≠ 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 ∈ Type
2: .....assertion..... NILNIL

5. A ∈ Type
⊢ e ∈ A
3: .....assertion..... NILNIL

5. A ∈ Type
6. e ∈ A
⊢ ∀x:A. (e = x) ∈ Type
4:

5. A ∈ Type
6. e ∈ A
7. ∀x:A. (e = x) ∈ Type
⊢ z ≠ 0

```

