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

1. A : Type
2. e : A
3. H : A→Type
4. z : $H(e)$

$\vdash z \neq 0$

 by PushArgs
 [‘x‘,term_to_arg x
 ;‘e‘,term_to_arg e
 ;‘A‘,term_to_arg A

  ;‘UH‘,term_to_arg Type
 ;‘UA‘,term_to_arg Type
 ;‘i‘,int_to_arg 4]

  1:

    $\vdash z \neq 0$
  .