

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

.....assertion..... NILNIL

1. $A : \text{Type}$
2. $e : A$
3. $H : A \rightarrow \text{Type}$
4. $H(e)$
5. $A \in \text{Type}$
6. $e \in A$
7. $\forall x:A. (e = x) \in \text{Type}$
 $\vdash \exists x:A. (e = x)$
by ($\backslash$ p.At (get_term_arg 'UA' p)
(DTerm (get_term_arg 'e' p) 0) p)

1:wf..... NILNIL

$\vdash e \in A$

2:

$\vdash e = e$

3:wf..... NILNIL

8. $x : A$

$\vdash (e = x) \in \text{Type}$

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