

Inference at \* 1 1 3  
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.  $e \in A$

$\vdash \forall x:A. (e = x) \in \text{Type}$   
by ( $\backslash$ p.At (get\_term\_arg 'UA' p) (D 0) p)

1:

7.  $x : A$   
 $\vdash (e = x) \in \text{Type}$
- 2: .....wf..... NILNIL

$\vdash A \in \text{Type}$

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