

Inference at * 1 1 4 2 1 2
of proof for Lemma gen_hyp_tp:

....wf.... NILNIL

1. $A : \text{Type}$
2. $e : A$
3. $H : A \rightarrow \text{Type}$
4. $x : A$
5. $e = x$
6. $H(e)$
7. $A \in \text{Type}$
8. $e \in A$
9. $\forall x:A. (e = x) \in \text{Type}$
 $\vdash \forall z_1:\{x:A \mid e = x\} . H(z_1) \in \text{Type}$
by (%L:wf%)
% ifhyp i is not a declaration, then quantifier type

will already be on the lhs of the >> %
\p.
ifis_visible_var (var_of_hyp (
get_int_arg 'i' p + 2) p) then
((At (get_term_arg 'UA' p) (D 0))
CollapseTHENA (
MemCD THENL [SoftNthHyp (-3);((BackThruHyp (-2))
CollapseTHEN (NthDecl (-1)))].)]). p
else
Id p)

1:

10. $z_1 : \{x:A \mid e = x\}$
 $\vdash H(z_1) \in \text{Type}$

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