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

. . . . .wf. . . . . NILNIL

1. A : Type
2. e : A
3. H : A→Type
4. x : A
5. $e = x$
6. $H(e)$
7. $A \in$ Type
8. $e \in A$
9. $\forall x{:}A.\ (e = x) \in$ Type

$\vdash \forall z_1{:}\{x{:}A|\ e = x\}\ .\ H(z_1) \in$ 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 : $\{x{:}A|\ e = x\}$

$\vdash H(z_1) \in$ Type

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http://www.nuprl.org/FDLcontent/p0_359040_/p121_98517_{gen_hyp_tp}1_1_4_2_1_2.html