Inference at $*$ 1 0 4 1
of proof for Lemma eq_int_cases_test:

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

1. A : Type
2. x : A
3. y : A
4. P : $A \rightarrow \mathbb{P}$
5. i : $\mathbb{Z}$
6. j : $\mathbb{Z}$
7. P(if $(i =_0 j)$ then x else y fi)
8. $\mathbb{B} \in$ Type
9. $(i =_0 j) \in \mathbb{B}$
10. $\forall bb{:}\mathbb{B}.\ ((i =_0 j) = bb) \in$ Type

$\vdash \exists bb{:}\mathbb{B}.\ ((i =_0 j) = bb)$

by (\p.At (get_term_arg 'UA' p)
(DTerm (get_term_arg 'e' p) 0) p)

1: . . . . .wf. . . . . NILNIL

$\vdash (i =_0 j) \in \mathbb{B}$

2:

$\vdash (i =_0 j) = (i =_0 j)$

3: . . . . .wf. . . . . NILNIL

11. bb : $\mathbb{B}$

$\vdash ((i =_0 j) = bb) \in$ Type

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