

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

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

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

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

.