

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. $bb : \mathbb{B}$

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

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