

Inference at * 1 0 3 1
of proof for Lemma eq_int_cases_test:

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. $bb : \mathbb{B}$

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

1:subterm..... T:t1:n

$\vdash \mathbb{B} \in \text{Type}$

2:subterm..... T:t2:n

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

3:subterm..... T:t3:n

$\vdash bb \in \mathbb{B}$

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