

Inference at * 1 0 4 1 3
of proof for Lemma eq_int_cases_test:

....wf.... 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. $\forall bb:\mathbb{B}. ((i =_0 j) = bb) \in \text{Type}$
 11. $bb : \mathbb{B}$
- $\vdash((i =_0 j) = bb) \in \text{Type}$
by ((MemCD)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n
)) (first_tok :t) inil_term)))