

Inference at * 1 2
of proof for Lemma eq_int_cases_test:

....falsecase.... 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. $P(y)$
8. $i \neq j$

$\vdash P(\text{if } (i =_0 j) \text{ then } x \text{ else } y \text{ fi})$
by ((EqIntCases 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n
,(first_nat 3:n)) (first_tok :t) inil_term))))).