

Inference at \* 1 0 3 1 3  
of proof for Lemma eq\_int\_cases\_test:

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

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.  $bb : \mathbb{B}$
- $\vdash bb \in \mathbb{B}$   
by (NthDecl (-1))