

Inference at * 1 1
of proof for Lemma int_lt_to_int_upper:

1. $i : \mathbb{Z}$
2. $A : \{i + 1 \dots\} \rightarrow \mathbb{P}$
3. $\forall j : \mathbb{Z}. (i < j) \Rightarrow A(j)$
4. $j : \{i + 1 \dots\}$

$\vdash A(j)$
by ((BackThruHyp 3)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n
) , (first_nat 3:n)) (first_tok :t) inil_term))))·