

Inference at * 1 1
of proof for Lemma complete_nat_ind:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
2. $\forall i:\mathbb{N}. (\forall j:\mathbb{N}i. P(j)) \Rightarrow P(i)$
3. $i : \mathbb{N}$
4. $\forall i_1:\mathbb{N}i. P(i_1)$

$\vdash P(i)$
by ((BackThruHyp 2)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 4:n)) (first_tok :t) inil_term)))).