

Inference at * 1
of proof for Lemma comp_nat_ind_tp:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
2. $\forall i:\mathbb{N}. (\forall j:\mathbb{N}. (j < i) \Rightarrow P(j)) \Rightarrow P(i)$
 $\vdash \forall i:\mathbb{N}. P(i)$
by ((D 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term))).

1:

3. $i : \mathbb{N}$
 $\vdash P(i)$
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