

Inference at * 1 1 1 1
of proof for Lemma comp_nat_ind_tp:

....assertion.... NILNIL

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
 2. $\forall i:\mathbb{N}. (\forall j:\mathbb{N}. (j < i) \Rightarrow P(j)) \Rightarrow P(i)$
 3. $\mathbb{N}$
- $\vdash \forall zz, i:\mathbb{N}. (i < zz) \Rightarrow P(i)$
by ($\backslash$ p.Thin (get_int_arg 'hn' p) p)
- 1:
2. $\forall i:\mathbb{N}. (\forall j:\mathbb{N}. (j < i) \Rightarrow P(j)) \Rightarrow P(i)$
- $\vdash \forall zz, i:\mathbb{N}. (i < zz) \Rightarrow P(i)$
- .