

Inference at * 1 1
of proof for Lemma nat_ind_tp:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
 2. $P(0)$
 3. $\forall i:\mathbb{N}^+. P(i - 1) \Rightarrow P(i)$
 4. $i : \mathbb{N}$
- $\vdash P(i)$
by (%S% \p.AbSetHD (get_int_arg 'hn' p) p)

1:

4. $i : \mathbb{Z}$
 5. $i \geq 0$
- $\vdash P(i)$
- .