

Inference at * 1 2
of proof for Lemma nat_ind.a:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
 2. $P(0)$
 3. $\forall i:\mathbb{N}^+. P(i - 1) \Rightarrow P(i)$
 4. $0 \geq 0$
- $\vdash P(0)$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)