

Inference at *
of proof for Lemma nat_ind.a:

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⊢∀P:(ℕ → ℙ{k}). P(0) ⇒ (∀i:ℕ+. P(i - 1) ⇒ P(i)) ⇒ {∀i:ℕ. P(i)}  
by (((Unfold 'guard' 0)  
CollapseTHEN (RepD)).)  
CollapseTHEN ((Auto_aux (first_nat  
1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term))).
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1:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
 2. $P(0)$
 3. $\forall i:\mathbb{N}^+. P(i - 1) \Rightarrow P(i)$
 4. $i : \mathbb{N}$
- ⊢ $P(i)$