

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

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1.  $P : \mathbb{N} \rightarrow \mathbb{P}_1$ 
2.  $\forall j:\mathbb{N}. (\forall k:\mathbb{N}. (k < j) \Rightarrow (P(k))) \Rightarrow (P(j))$ 
3.  $n : \mathbb{N}$ 
4.  $\forall n_1:\mathbb{N}. (n_1 < n) \Rightarrow (P(n_1))$ 
 $\vdash P(n)$ 
  by (((((With  $n$  (D (-3)))
  CollapseTHENM (D (-1))))).)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term))).
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