Inference at $*$ 1 3 1 1 1
 of proof for Lemma fincr_wf2:

1. $P : \mathbb{N} \to \mathbb{P}_1$
2. $n : \mathbb{N}$
3. $\forall n_1{:}\mathbb{N}.\ (n_1 < n) \Rightarrow (P(n_1))$
4. $(\forall k{:}\mathbb{N}.\ (k < n) \Rightarrow (P(k))) \Rightarrow (P(n))$

$\vdash P(n)$

 by ((D (-1))
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n
 )) (first_tok :t) inil_term)))·

 .