

Inference at * 1 1 1 0 2
of proof for Lemma fincr_formation:

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. $\forall zz, n:\mathbb{N}. (n < zz) \Rightarrow (P(n))$

$\vdash P(n)$
by ($\backslash$ p.let i = mvt (var_of_hyp (-2) p) in
let ip1 = mk_add_term i 1 in
((
DTerm ip1 (-1))
CollapseTHENM (DTerm i (-1)))· p)

1:wf..... NILNIL

3. $n : \mathbb{N}$
 $\vdash n+1 \in \mathbb{N}$
2:wf..... NILNIL

3. $n : \mathbb{N}$
 $\vdash n \in \mathbb{N}$

3:

4. $(n < (n+1)) \Rightarrow (P(n))$
 $\vdash P(n)$

.