

Inference at * 1 3 1 0 2 1 2
of proof for Lemma fincr_wf2:

....set predicate.... NILNIL

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. $n : \mathbb{N}$
- $\vdash 0 \leq (n+1)$
by Arith

1:wf.... NILNIL

3. $n : \mathbb{Z}$
 4. $0 \leq n$
- $\vdash n+1 \in \mathbb{Z}$
- 2:wf.... NILNIL

3. $n : \mathbb{Z}$
 4. $0 \leq n$
- $\vdash 0 \in \mathbb{Z}$

.