

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

.....wf..... 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. $n : \mathbb{N}$
- $\vdash n+1 \in \mathbb{N}$
by ArithMemberReflEqTypeCD

1:

$\vdash n+1 \in \mathbb{Z}$

2:set predicate..... NILNIL

$\vdash 0 \leq (n+1)$

3:wf..... NILNIL

4. $i : \mathbb{Z}$

$\vdash (0 \leq i) \in \text{Type}$

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