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

. . . . .set predicate. . . . . NILNIL

1. $P : \mathbb{N} \to \mathbb{P}_1$
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. $0 \leq n$

$\vdash 0 \in \mathbb{Z}$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_83564_{fincr_wf}1_3_1_0_2_1_2.html