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

. . . . .wf. . . . . NILNIL

1. $i : \mathbb{N}$
2. $f : \{f \mid i{:}\{i_1{:}\mathbb{N} \mid i_1\ (\lambda i,j.\ i < j)\ i\} \rightarrow$ if $(i =_0 0)$ then $\mathbb{Z}$ else $\{f(i - 1)\ldots\}$ fi $\}$
3. $\forall j{:}\{k{:}\mathbb{N} \mid k < i\}\ .\ f(j) \in \mathbb{Z}$
4. $i \neq 0$

$\vdash f(i - 1)+1 \in \mathbb{Z}$
by MemCD

1: . . . . .subterm. T:t1:n

$\vdash f(i - 1) \in \mathbb{Z}$

2: . . . . .subterm. T:t2:n

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

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_83200_{fincr_formation}1_2_2_2_1.html