Inference at $*$ 1 4 2 1
of proof for Lemma fincr_wf:

. . . . .falsecase. . . . . NILNIL

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

$\vdash \{f(i \text{ - } 1)\ldots\} \in \text{Type}$
by MemCD

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

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