

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

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

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

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

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

.