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

. . . . .assertion. . . . . NILNIL

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

$\vdash \forall j{:}\{k{:}\mathbb{N} \mid k < i\} \ .\ f(j) \in \mathbb{Z}$

by ((D 0)
THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

3. $j : \{k{:}\mathbb{N} \mid k < i\}$

$\vdash f(j) \in \mathbb{Z}$

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