

Inference at * 1 4 1
of proof for Lemma fincr_wf2:

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

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