Inference at $*$ 1
of proof for Lemma nat_well_founded:

$\vdash \forall P{:}(\mathbb{N} \to \mathbb{P}).\ (\forall j{:}\mathbb{N}.\ (\forall k{:}\mathbb{N}.\ (k < j) \Rightarrow P(k)) \Rightarrow P(j)) \Rightarrow \{\forall n{:}\mathbb{N}.\ P(n)\}$
by ((RepD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $P : \mathbb{N} \to \mathbb{P}$
2. $\forall j{:}\mathbb{N}.\ (\forall k{:}\mathbb{N}.\ (k < j) \Rightarrow P(k)) \Rightarrow P(j)$

$\vdash \forall n{:}\mathbb{N}.\ P(n)$

.