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

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

1:

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

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