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

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

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

$\vdash \forall zz,i{:}\mathbb{N}.\ (i < zz) \Rightarrow P(i)$
by (\p.Thin (get_int_arg 'hn' p) p)

1:

2. $\forall i{:}\mathbb{N}.\ (\forall j{:}\mathbb{N}.\ (j < i) \Rightarrow P(j)) \Rightarrow P(i)$
$\vdash \forall zz,i{:}\mathbb{N}.\ (i < zz) \Rightarrow P(i)$

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