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

1. $P : \mathbb{N} \to \mathbb{P}\{\mathrm{k}\}$
2. $\forall i{:}\mathbb{N}.\ (\forall j{:}\mathbb{N}.\ (j < i) \Rightarrow P(j)) \Rightarrow P(i)$
$\vdash \forall zz,i{:}\mathbb{N}.\ (i < zz) \Rightarrow P(i)$
by D 0

1:

3. $zz : \mathbb{N}$
$\vdash \forall i{:}\mathbb{N}.\ (i < zz) \Rightarrow P(i)$
2: . . . . .wf. . . . . NILNIL

$\vdash \mathbb{N} \in \mathrm{Type}$
.

---

http://www.nuprl.org/FDLcontent/p0_359040_/p121_94017_{comp_nat_ind_tp}1_1_1_1_1.html