

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

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{\mathbf{k}\}$
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

$\vdash \mathbb{N} \in \text{Type}$

.