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

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

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_94017_{comp_nat_ind_tp}1_1_1_1_1.html