Inference at $*$ 1 0 1 2 1
 of proof for Lemma nat_ind:

1. $P : \mathbb{N} \to \mathbb{P}\{\mathrm{k}\}$
2. $P(0)$
3. $\forall i{:}\mathbb{N}^+.\ P(i - 1) \Rightarrow P(i)$
4. $0 \geq 0$

$\vdash P(0)$
 by ((Thin (-1))
 CollapseTHEN (AddHiddenLabel 'basecase'))·

 1: . . . . .basecase. . . . . NILNIL

  3. $\forall i{:}\mathbb{N}^+.\ P(i - 1) \Rightarrow P(i)$
  $\vdash P(0)$
 .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_93428_{nat_ind}1_0_1_2_1.html