Inference at $*$ 1 1 1 2 1 1
of proof for Lemma nat_ind_tp:

. . . . .basecase. . . . . NILNIL

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

$\vdash P(0)$
by %E% Hypothesis

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_94355_{nat_ind_tp}1_1_1_2_1_1.html