Inference at * 1 0 1 2 1
 of proof for Lemma integer sqrt:

1. $0 \geq 0$
$\vdash \exists r{:}\mathbb{N}.\ (((r * r) \leq 0)\ \&\ (0 < ((r{+}1) * (r{+}1))))$
 by ((Thin (-1))
 CollapseTHEN (AddHiddenLabel 'basecase'))·

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

 (no hyps)
 $\vdash \exists r{:}\mathbb{N}.\ (((r * r) \leq 0)\ \&\ (0 < ((r{+}1) * (r{+}1))))$
 .