Inference at $*$ 1 0 1 3 1 2
of proof for Lemma integer sqrt:

1. $n : \mathbb{Z}$
2. $0 < n$
3. $\exists r{:}\mathbb{N}.\ (((r * r) \leq (n - 1)) \ \&\ ((n - 1) < ((r{+}1) * (r{+}1))))$

$\vdash \exists r{:}\mathbb{N}.\ (((r * r) \leq n) \ \&\ (n < ((r{+}1) * (r{+}1))))$

by AddHiddenLabel ‘upcase‘

1: . . . . .upcase. . . . . NILNIL

$\vdash \exists r{:}\mathbb{N}.\ (((r * r) \leq n) \ \&\ (n < ((r{+}1) * (r{+}1))))$

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