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

. . . . .wf. . . . . NILNIL

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

$\vdash (n \geq 0) \in \mathbb{P}_1$
by ((MemEqCD)
CollapseTHEN (MemEqCD))·

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http://www.nuprl.org/FDLcontent/p0_963683_/p28_1027382_{integer!sqrt}1_0_1_3_2.html