

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)).