

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

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

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