Inference at $*$ 1 1
 of proof for Lemma int_sq:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
3. $x = y$

$\vdash x = y$

by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_87353_{int_sq}1_1.html