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

1. $x : \mathbb{Z}$
$\vdash$if 0 $\leq$z x then x else -x fi $\in \mathbb{N}$
by InteriorProof ((((BoolCasesOnCExp 0 $\leq$z x)
CollapseTHENM (AbReduce 0))$\cdot$)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok SupInf:t) inil_term)))$\cdot$

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_73799_{absval_wf}1.html