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

1. $P : \mathbb{Z} \to \mathbb{P}$
2. $x : \mathbb{N}$

$\vdash (P(\text{if } 0 \leq z\ x \text{ then } x \text{ else } -x \text{ fi }) \Rightarrow (P(x))$
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 :t) inil_term)))$\cdot$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_73055_{absval_elim}1_1_1.html