Inference at $*$ 2
of proof for Lemma absval_elim:

1. $P : \mathbb{Z} \to \mathbb{P}$
2. $\forall x{:}\mathbb{N}.\ P(x)$
3. $x : \mathbb{Z}$

$\vdash P(|x|)$

by Unfold ‘absval‘ 0

1:

$\vdash P(\text{if } 0 \leq \text{z } x \text{ then } x \text{ else -}x \text{ fi })$

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_73055_{absval_elim}2.html