

Inference at * 2
of proof for Lemma absval_elim:

1. $P : \mathbb{Z} \rightarrow \mathbb{P}$
2. $\forall x:\mathbb{N}. P(x)$
3. $x : \mathbb{Z}$
 $\vdash P(|x|)$
by Unfold 'absval' 0

1:

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

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