

Inference at * 1
of proof for Lemma absval_eq:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
 $\vdash (|x| = |y|) \iff x = \pm y$
by Unfold 'absval' 0

1:

$\vdash (\text{if } 0 \leq x \text{ then } x \text{ else } -x \text{ fi} = \text{if } 0 \leq y \text{ then } y \text{ else } -y \text{ fi}) \iff x = \pm y$

.