Inference at $*$
of proof for Lemma absval_elim:

$\vdash \forall P{:}(\mathbb{Z} \to \mathbb{P}).\ (\forall x{:}\mathbb{Z}.\ P(|x|)) \iff (\forall x{:}\mathbb{N}.\ P(x))$
by ((((Unfolds "guard so_apply" 0)
CollapseTHEN (GenUnivCD))$\cdot$)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))$\cdot$

1:

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

$\vdash P(x)$

2:

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

$\vdash P(|x|)$

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