

Inference at * 1
of proof for Lemma absval_elim:

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1.  $P : \mathbb{Z} \rightarrow \mathbb{P}$ 
2.  $\forall x:\mathbb{Z}. P(|x|)$ 
3.  $x : \mathbb{N}$ 
 $\vdash P(x)$ 
  by ((DTerm  $x$  2)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
3:n)) (first_tok :t) inil_term))).

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1:

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2.  $x : \mathbb{N}$ 
3.  $P(|x|)$ 
 $\vdash P(x)$ 
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