

Inference at *
of proof for Lemma absval_wf:

$\vdash \forall x:\mathbb{Z}. |x| \in \mathbb{N}$
by (((Unfold 'absval' 0)
CollapseTHEN (D 0)).)
CollapseTHEN ((Auto_aux (first_nat
1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

1:

1. $x : \mathbb{Z}$
 $\vdash \text{if } 0 \leq x \text{ then } x \text{ else } -x \text{ fi} \in \mathbb{N}$

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