Inference at $*$
 of proof for Lemma absval_wf:

$\vdash \forall x{:}\mathbb{Z}.\ |x| \in \mathbb{N}$
 by ((((Unfold ‘absval‘ 0)
 CollapseTHEN (D 0))·)
 CollapseTHENA ((Auto_aux (first_nat
  1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

  1:

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

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_73799_{absval_wf}.html