

Inference at * 2 1 1
of proof for Lemma absval_elim:

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1.  $P : \mathbb{Z} \rightarrow \mathbb{P}$ 
2.  $\forall x:\mathbb{N}. P(x)$ 
3.  $x : \mathbb{Z}$ 
4.  $0 \leq x$ 
 $\vdash P(x)$ 
  by ((BackThruHyp 2)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
      ),(first_nat 3:n)) (first_tok :t) inil_term))))
.
```