

Inference at \*  
of proof for Lemma absval\_neg:

```
⊢∀i:{...0}. |i| = (-i)
  by InteriorProof (((((((Unfold 'absval' 0)
    CollapseTHEN (D 0))·)
    CollapseTHENM (
      BoolCasesOnCExp 0 ≤z i))·)
    CollapseTHENM (AbReduce 0))·)
      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat
3:n)) (first_tok SupInf:t) inil_term)))·
```