Inference at $*$ 1 2
of proof for Lemma absval_ubound:

.....falsecase..... NILNIL

1. $i : \mathbb{Z}$
2. $n : \mathbb{N}$
3. $i < 0$

$\vdash ((\text{-}i) \leq n) \iff (((\text{-}n) \leq i)\ \&\ (i \leq n))$
by (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok SupInf:t
) inil_term)

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