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

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
3. $x : \{i..j^-\}$
4. $y : \{i..j^-\}$
5. $\neg(x = y)$

$\vdash \neg(x = y)$

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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