Inference at $*$ 1
of proof for Lemma decidable_le:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
$\vdash (i \leq j) \vee (\neg(i \leq j))$
by (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)

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