

Inference at *
of proof for Lemma sub_functionality_wrt_le:

$\vdash \forall i_1, i_2, j_1, j_2 : \mathbb{Z}. (i_1 \leq j_1) \Rightarrow (i_2 \geq j_2) \Rightarrow ((i_1 - i_2) \leq (j_1 - j_2))$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)

1:

1. $i_1 : \mathbb{Z}$
 2. $i_2 : \mathbb{Z}$
 3. $j_1 : \mathbb{Z}$
 4. $j_2 : \mathbb{Z}$
 5. $i_1 \leq j_1$
 6. $i_2 \geq j_2$
- $\vdash (i_1 - i_2) \leq (j_1 - j_2)$

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