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

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. $i_2 \leq j_2$

$\vdash (i_1{+}i_2) \leq (j_1{+}j_2)$
by MoveToConcl 3

1:

3. $j_2 : \mathbb{Z}$
4. $i_2 \leq j_2$

$\vdash \forall j_1{:}\mathbb{Z}.\ (i_1 \leq j_1) \Rightarrow ((i_1{+}i_2) \leq (j_1{+}j_2))$

.