

Inference at * 1 1 2
of proof for Lemma add_functionality_wrt_le:

1. $i_2 : \mathbb{Z}$
 2. $j_2 : \mathbb{Z}$
 3. $i_2 \leq j_2$
 4. $j_1 : \mathbb{Z}$
 5. $0 \leq j_1$
- $\vdash (0+i_2) \leq (j_1+j_2)$
by (RA (IntInd 4))

1:

5. $0 < j_1$
 6. $(0 \leq (j_1 - 1)) \Rightarrow ((0+i_2) \leq ((j_1 - 1)+j_2))$
 7. $0 \leq j_1$
- $\vdash (0+i_2) \leq (j_1+j_2)$

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