

Inference at * 1 1 0
of proof for Lemma add_cancel_in_le:

.....assertion..... NILNIL

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $n : \mathbb{Z}$
4. $(a+n) \leq (b+n)$
 $\vdash (a+n+(-n)) \leq (b+n+(-n))$
by PERMUTE{1:n, 2:n, 3:n, 2:n, 4:n, 5:n}

1:wf..... NILNIL

$\vdash a+n \in \mathbb{Z}$
2:wf..... NILNIL

$\vdash (-n) \in \mathbb{Z}$
3:wf..... NILNIL

$\vdash b+n \in \mathbb{Z}$
4:

$\vdash (a+n) \leq (b+n)$
5:

$\vdash (-n) \leq (-n)$
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