

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

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
 $\vdash (\neg(\uparrow y <_z x)) \iff (\neg(y < x))$
by PERMUTE{1:n, 2:n, 2:n, 2:n, 3:n, 4:n, 5:n, 6:n, 7:n, 8:n}

1:wf..... NILNIL

$\vdash (\neg(\uparrow y <_z x)) \in \mathbb{P}_1$

2:wf..... NILNIL

$\vdash (\neg(y < x)) \in \mathbb{P}_1$

3:wf..... NILNIL

$\vdash (\uparrow y <_z x) \in \mathbb{P}_1$

4:wf..... NILNIL

$\vdash (y < x) \in \mathbb{P}_1$

5:wf..... NILNIL

$\vdash y \in \mathbb{Z}$

6:wf..... NILNIL

$\vdash x \in \mathbb{Z}$

7:wf..... NILNIL

$\vdash (\neg(y < x)) = (\neg(y < x))$

8:

$\vdash (\neg(y < x)) \iff (\neg(y < x))$

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