Inference at $*$ 2 0 1 3 1
of proof for Lemma multiply_nat_wf:

1. $i : \mathbb{N}$
2. $j : \mathbb{Z}$
3. $0 < j$
4. $((j - 1) \geq 0) \Rightarrow (0 \leq (i * (j - 1)))$
5. $j \geq 0$

$\vdash 0 \leq (i * j)$
by ((Thin (-1))
CollapseTHEN (D (-1)))·

1: . . . . .antecedent. . . . . NILNIL

3. $0 < j$
$\vdash (j - 1) \geq 0$

2:

4. $0 \leq (i * (j - 1))$
$\vdash 0 \leq (i * j)$

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