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

. . . . .upcase. . . . . NILNIL

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

$\vdash (j \geq 0) \Rightarrow (0 \leq (i * j))$
by D 0

1:

5. $j \geq 0$

$\vdash 0 \leq (i * j)$

2: . . . . .wf. . . . . NILNIL

$\vdash (j \geq 0) \in \mathbb{P}_1$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_73877_{multiply_nat_wf}2_0_1_3.html