

Inference at \* 1 1  
of proof for Lemma mul\_bounds\_1a:

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

1.  $a : \mathbb{N}$

2.  $b : \mathbb{N}$

$\vdash (a * 0) \leq (a * b)$

by ((BackThruLemma ‘mul\_preserves\_le’)

CollapseTHEN ((Auto\_aux (first\_nat 1:n

) ((first\_nat 2:n),(first\_nat 3:n)) (first\_tok :t) inil\_term)))·

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