

Inference at * 1 1
of proof for Lemma mul_preserves_lt:

....basecase.... NILNIL

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $a < b$
4. $n : \mathbb{Z}$
5. $0 < n$
6. $1 = n$
 $\vdash (n * a) < (n * b)$
by ((RevHypSubst 6 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n
,(first_nat 3:n)) (first_tok :t) inil_term))))).