

Inference at *
of proof for Lemma mul_preserves_le:

$\vdash \forall a, b : \mathbb{Z}, n : \mathbb{N}. (a \leq b) \Rightarrow ((n * a) \leq (n * b))$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)

1:

1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
 3. $n : \mathbb{N}$
 4. $a \leq b$
- $\vdash (n * a) \leq (n * b)$

.