

Inference at * 1 2

of proof for Lemma mul_preserves_le:

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

1. $a : \mathbb{Z}$

2. $b : \mathbb{Z}$

3. $a \leq b$

4. $n : \mathbb{Z}$

5. $0 < n$

6. $((n - 1) * a) \leq ((n - 1) * b)$

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

by ((Assert $((n - 1) * a) + a \leq ((n - 1) * b) + b$))

CollapseTHENM ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:assertion..... NILNIL

$\vdash (((n - 1) * a) + a) \leq (((n - 1) * b) + b)$

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