

Inference at * 1 2 1

of proof for Lemma mul_preserves_le:

....assertion.... NILNIL

1. $a : \mathbb{Z}$

2. $b : \mathbb{Z}$

3. $a \leq b$

4. $n : \mathbb{Z}$

5. $0 < n$

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

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

by ((BackThruLemma 'add_functionality_wrt_le')

CollapseTHEN ((Auto_aux (first_nat 1:n

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

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