Inference at * 1 2 1
 of proof for Lemma mul_preserves_lt:

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $(a+1) \leq b$
4. $n : \mathbb{Z}$
5. $1 < n$
6. $(((n - 1) * a)+1) \leq ((n - 1) * b)$

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

 by ((FwdThruLemma 'add_functionality_wrt_le' [3;6])
 CollapseTHENA (
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

 1:

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

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

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