

Inference at * 1 1
of proof for Lemma multiply_functionality_wrt_le:

```
1.  $i_1 : \mathbb{N}$ 
2.  $i_2 : \mathbb{N}$ 
3.  $j_1 : \mathbb{N}$ 
4.  $j_2 : \mathbb{N}$ 
5.  $i_1 \leq j_1$ 
6.  $i_2 \leq j_2$ 
7.  $(i_1 * i_2) \leq (i_1 * j_2)$ 
 $\vdash (i_1 * i_2) \leq (j_1 * j_2)$ 
  by ((Using ['n',j2] (FwdThruLemma 'mul_preserves.le' [5]))
      CollapseTHEN (
        (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))
```