

Inference at \* 1 1  
of proof for Lemma fseg\_select:

```
1. T : Type
2. l1 : T List
3. l2 : T List
4. L : T List
5. l2 = (L @ l1)
6. i : ℕ
7. i < ||l1||
⊢ l1[i] = (L @ l1)[(||L @ l1|| - ||l1||)+i]
  by (((RWO "select_append_back" 0)
    CollapseTHEN (Auto·))·)
    CollapseTHEN (((Try (((
      EqCD)
    CollapseTHEN (Auto·))·))·)
    CollapseTHEN (((RWO "length_append" 0)
      CollapseTHEN (Auto')·))·))·
```