```
length_segment  THM

⊢  ∀as:T List, i:{0...||as||}, j:{i...||as||}. ||as[i..j⁻]|| = j-i
| by RepD
|
1. T : Type
2. as : T List
3. i : {0...||as||}
4. j : {i...||as||}
⊢  ||as[i..j⁻]|| = j-i
  by RWW "u:segment length_firstn length_nth_tl" 0
END
```