```
length_sublist  THM

⊢  ∀T:Type, L1,L2:T List. L1 ⊆ L2 ⇒ ||L1||≤||L2||
| by Auto THEN Unfold ‘sublist‘ (-1) THEN ExRepD THEN Auto’
|
1. T : Type
2. L1 : T List
3. L2 : T List
4. f : ℕ||L1||→ℕ||L2||
5. increasing(f;||L1||)
6. ∀j:ℕ||L1||. L1[j] = L2[(f(j))]
⊢  ||L1||≤||L2||
  by BackThruLemma ‘increasing_le‘ THENA Auto’

     THEN AutoInstConcl [] THEN Auto’
END
```