```
apply_wf_list_length  THM

⊢  ∀T:Type, L:T List. |·|(L) ∈ ℕ  by UnivCD
|
1. T : Type
2. L : T List
⊢  |·|(L) ∈ ℕ
| by Analyze 2 THEN Rewrite (HigherC list_length_unrollC) 0
|
|\
| ⊢  0 ∈ ℕ  by Auto
|
.\
. 3. T
. 4. v : T List
. ⊢  1+|·|(v) ∈ ℕ  by GenConcl (|·|(v) = n)
END
```