```
sublist_weakening  THM

⊢  ∀T:Type, L1,L2:T List. L1 = L2 ⇒ L1 ⊆ L2
| by Unfold `sublist` 0 THEN Auto
THEN InstConcl [λi.i
|    ] THEN Reduce 0 THEN Auto
THEN Try (Complete (WeakSubstFor L2
|     0 THEN Auto))
THEN Try (EqCD THEN Auto)
THEN Try Auto'
|
1. T : Type
2. L1 : T List
3. L2 : T List
4. L1 = L2
⊢  increasing(λi.i;||L1||)
  by BackThruLemma `id_increasing` THEN Auto'
END
```