```
sublist_reflexive  THM

⊢  ∀eq:{T=₂}, L:T List. L(⊆eq)L  by UnivCD
|
1. T : Type
2. eq : {T=₂}
3. L : T List
⊢  L(⊆eq)L  by ListInd 3 THEN AbReduce 0
|
|\
| 4. u : T
| 5. v : T List
| 6. v(⊆eq)v
| ⊢  if eq(u,u)→ true₂ else u(∈eq) v fi  by DiscreteEq 2
| |
| 3. eq ∈ T→T→𝔹
| 4. ∀x,y:T. eq(x,y) ⟺ x = y
| 5. T List
| 6. u : T
| 7. v : T List
| 8. v(⊆eq)v
| ⊢  if eq(u,u)→ true₂ else u(∈eq) v fi  by Assert (eq(u,u))
| |
| |\
| | .....assertion .....
| | ⊢  eq(u,u)  by HypBackchain
| |
| .\
| . 9. eq(u,u)
| . ⊢  if eq(u,u)→ true₂ else u(∈eq) v fi
| . | by FwdThru Thm* ∀P:𝔹. P ⟺ P = true₂    {assert_iff_btrue} [-1]
| . |
| . 10. eq(u,u) = true₂
| . ⊢  if eq(u,u)→ true₂ else u(∈eq) v fi
| .   by HypSubst -1 0 THEN Reduce 0 THEN Trivial
|
.\
. 4. u : T
. 5. v : T List
. 6. v(⊆eq)v
. ⊢  v(⊆eq)(u.v)
.   by BackThru
.      Thm* ∀eq:{T=₂}, u:T, v:T List. v(⊆eq)(u.v)    {sublist_tail1}
END
```