```
accept_list_qwf  THM

⊢  ∀Auto:Automata(Alph;St), l:x,y:Alph*//((Result(Auto)x)
|                                          =
|                                          (Result(Auto)y)).
|  Auto(l)↓ ∈ 𝔹  by UnivCD
|
|\
| 1. Alph : Type
| 2. St : Type
| 3. Auto : Automata(Alph;St)
| 4. l : x,y:Alph*//((Result(Auto)x) = (Result(Auto)y))
| ⊢  Auto(l)↓ ∈ 𝔹  by Unfold `accept_list` 0
| |
| ⊢  FinalState(Auto)(Result(Auto)l) ∈ 𝔹  by Analyze
| |
| |\
| | ⊢  FinalState(Auto) ∈ St→𝔹  by Auto
| |
| .\
| . ⊢  (Result(Auto)l) ∈ St
| .   by Inst
| .      Thm* ∀Auto:Automata(Alph;St), l:x,y:Alph*//((Result(Auto)x)
| .                                                     =
| .                                                     (Result(Auto)y)).
| .           (Result(Auto)l) ∈ St
| .      {compute_list_qwf}
| .      [Alph;St;Auto;l]
|
.\
. 1. Alph : Type
. 2. St : Type
. 3. Auto : Automata(Alph;St)
. ⊢  EquivRel x,y:Alph*. (Result(Auto)x) = (Result(Auto)y)
. | by Analyze 0 THEN Analyze 0
. |
. |\
. | 4. a : Alph*
. | ⊢  (Result(Auto)a) = (Result(Auto)a)  by Auto
. |
. |\
. | ⊢  Sym x,y:Alph*. (Result(Auto)x) = (Result(Auto)y)  by Analyze 0
. |
. .\
. . ⊢  Trans x,y:Alph*. (Result(Auto)x) = (Result(Auto)y)
. .   by Analyze 0
END
```