```
map_wf  THM

⊢  ∀A,B:Type, f:(A→B), l:A List. map(f;l) ∈ B List  by UnivCD
|
1. A : Type
2. B : Type
3. f : A→B
4. l : A List
⊢  map(f;l) ∈ B List  by ListInd 4 THEN AbReduce 0
|
|\
| ⊢  nil ∈ B List  by Auto
|
.\
. 5. u : A
. 6. v : A List
. 7. map(f;v) ∈ B List
. ⊢  f(u).map(f;v) ∈ B List  by MemberEqCD
. |
. |\
. | ⊢  f(u) ∈ B  by Auto
. |
. .\
. . ⊢  map(f;v) ∈ B List  by Hypothesis
END
```