```
map_wf_listp  THM

⊢  ∀A,B:Type, f:(A→B), l:A List+. map(f;l) ∈ B List+
| by UnivCD THENA Auto·
|
1. A : Type
2. B : Type
3. f : A→B
4. l : A List+
⊢  map(f;l) ∈ B List+  by D (-1)
|
1. A : Type
2. B : Type
3. f : A→B
4. l : A List
5. ||l||≥1
⊢  map(f;l) ∈ B List+  by MemTypeCD THEN Auto
|
.....set predicate .....
1. A : Type
2. B : Type
3. f : A→B
4. l : A List
5. ||l||≥1
⊢  0<₂||map(f;l)||  by RWW "map_length" 0 THEN Auto
|
1. A : Type
2. B : Type
3. A→B
4. l : A List
5. ||l||≥1
⊢  0<₂||l||  by RW assert_pushdownC 0 THEN Auto
END
```