```
map_length  THM

⊢  ∀f:(A→B), as:A List. ||map(f;as)|| = ||as||
| by UnivCD THEN ListInd -1 THEN AbReduce 0
|
|\
| 1. A : Type
| 2. B : Type
| 3. A→B
| 4. A List
| ⊢  0 = 0  by Auto
|
.\
. 1. A : Type
. 2. B : Type
. 3. f : A→B
. 4. A List
. 5. A
. 6. v : A List
. 7. ||map(f;v)|| = ||v||
. ⊢  ||map(f;v)||+1 = ||v||+1  by Auto
END
```