```
length_map  THM

⊢  ∀'b,'a:S, l:'a List, f:('a→'b). ||map(f;l)|| = ||l||
  by RewriteOfThm
     Thm* ∀'b,'a:S.
          all
          (λl:hlist('a). all
                         (λf:'a → 'b. equal
                                      (length(map(f,l))
                                      ,length(l))))
     {hlength_map}
     (SimpsetC [`hol_to_nuprl`;`bequal`])
END
```