```
length_append_2  THM

⊢  ∀'a:S, l1,l2:'a List. ||l1 @ l2|| = ||l1||+||l2||
  by RewriteOfThm
     Thm* ∀'a:S.
          all
          (λl1:hlist('a). all
                          (λl2:hlist('a). equal
                                          (length(append(l1,l2))
                                          ,add
                                           (length(l1)
                                           ,length(l2)))))
     {hlength_append_2}
     (SimpsetC [`hol_to_nuprl`;`bequal`])
END
```