```
hlength_cons_2  THM

⊢  ∀'a:S.
   all
   (λl:hlist('a
             ). all
                (λn:hnum. equal
                          (equal(length(l),suc(n))
                          ,exists
                           (λh:'a. exists
                                   (λl':hlist('a). and
                                                   (equal
                                                    (length(l')
                                                    ,n)
                                                   ,equal
                                                    (l
                                                    ,cons(h,l'))))))))
  by HOL "hlength_cons_2"
END
```