```
hlength_append_2  THM

⊢  ∀'a:S.
   all
   (λl1:hlist('a). all
                   (λl2:hlist('a). equal
                                   (length(append(l1,l2))
                                   ,add(length(l1),length(l2)))))
  by HOL "hlength_append_2"
END
```