```
hmap_append_2  THM

⊢  ∀'a,'b:S.
   all
   (λf:'a → 'b. all
                (λl1:hlist('a). all
                                (λl2:hlist('a). equal
                                                (map(f,append(l1,l2))
                                                ,append
                                                 (map(f,l1)
                                                 ,map(f,l2))))))
  by HOL "hmap_append_2"
END
```