```
hfun_eq_lemma  THM

⊢  ∀'a:S.
   all
   (λf:'a → hbool. all
                   (λx1:'a. all
                            (λx2:'a. implies
                                     (and(f(x1),not(f(x2)))
                                     ,not(equal(x1,x2))))))
  by HOL "hfun_eq_lemma"
END
```