```
hsum_axiom_2  THM

⊢  ∀'c,'b,'a:S.
   all
   (λf:'a → 'c. all
                (λg:'b → 'c. exists_unique
                             (λh:hsum('a; 'b)
                              → 'c. and
                                    (all
                                     (λx:'a. equal(h(inl(x)),f(x)))
                                    ,all
                                     (λx:'b. equal
                                             (h(inr(x))
                                             ,g(x)))))))
  by HOL "hsum_axiom_2"
END
```