```
hsum_axiom  THM

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