```
sum_axiom  THM

⊢  ∀'c,'b,'a:S, f:('a→'c), g:('b→'c).
   (∃h:(('a+'b)→'c).
    h o (λx:'a. inl(x)) = f & h o (λx:'b. inr(x)) = g)
   & (∀h,y:(('a+'b)→'c).
      h o (λx:'a. inl(x)) = f & h o (λx:'b. inr(x)) = g
      & y o (λx:'a. inl(x)) = f
      & y o (λx:'b. inr(x)) = g
      ⇒
      h = y)  by RewriteOfThm Thm: hsum_axiom HNC
END
```