```
sum_axiom_2  THM

⊢  ∀'c,'b,'a:S, f:('a→'c), g:('b→'c).
   (∃h:(('a+'b)→'c).
    (∀x:'a. h(inl(x)) = f(x)) & (∀x:'b. h(inr(x)) = g(x)))
   & (∀h,y:(('a+'b)→'c).
      (∀x:'a. h(inl(x)) = f(x)) & (∀x:'b. h(inr(x)) = g(x))
      & (∀x:'a. y(inl(x)) = f(x))
      & (∀x:'b. y(inr(x)) = g(x))
      ⇒
      h = y)  by RewriteOfThm Thm: hsum_axiom_2 HNC
END
```