```
list_axiom  THM

⊢  ∀'b,'a:S, x:'b, f:('b→'a→('a List)→'b).
   (∃fn1:(('a List)→'b).
    fn1(nil) = x
    & (∀h:'a, t:'a List. fn1(cons(h; t)) = f(fn1(t),h,t)))
   & (∀fn1,y:(('a List)→'b).
      fn1(nil) = x
      & (∀h:'a, t:'a List. fn1(cons(h; t)) = f(fn1(t),h,t))
      & y(nil) = x
      & (∀h:'a, t:'a List. y(cons(h; t)) = f(y(t),h,t))
      ⇒
      fn1 = y)
  by RewriteOfThm Thm: hlist_axiom
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```