```
list_not_eq  THM

⊢  ∀'a:S, l1,l2:'a List.
   ¬l1 = l2 ⇒ (∀h1,h2:'a. ¬cons(h1; l1) = cons(h2; l2))
  by RewriteOfThm Thm: hlist_not_eq
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```