```
list_cases  THM

⊢  ∀'a:S, l:'a List. l = nil ∨ (∃t:'a List, h:'a. l = cons(h; t))
  by RewriteOfThm
     Thm* ∀'a:S.
          all
          (λl:hlist('a). or
                         (equal(l,nil)
                         ,exists
                          (λt:hlist('a). exists
                                         (λh:'a. equal
                                                 (l
                                                 ,cons(h,t))))))
     {hlist_cases}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```