```
length_nil_2  THM

⊢  ∀'a:S, l:'a List. ||l|| = 0 ⟺ l = nil
  by RewriteOfThm
     Thm* ∀'a:S.
          all(λl:hlist('a). equal(equal(length(l),0),equal(l,nil)))
     {hlength_nil_2}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```