```
hevery_el  THM

⊢  ∀'a:S.
   all
   (λl:hlist('a). all
                  (λP:'a → hbool. equal
                                  (every(P,l)
                                  ,all
                                   (λn:hnum. implies
                                             (lt(n,length(l))
                                             ,P(el(n,l)))))))
  by HOL "hevery_el"
END
```