```
hlist_induct  THM

⊢  ∀'a:S.
   all
   (λP:hlist('a) → hbool. implies
                          (and
                           (P(nil)
                           ,all
                            (λt:hlist('a). implies
                                           (P(t)
                                           ,all
                                            (λh:'a. P(cons(h,t))))))
                          ,all(λl:hlist('a). P(l))))
  by HOL "hlist_induct"
END
```