```
hcurry_def  THM

⊢  ∀'c,'a,'b:S.
   all
   (λf:hprod('a; 'b) → 'c. all
                           (λx:'a. all
                                   (λy:'b. equal
                                           (curry(f,x,y)
                                           ,f(pair(x,y))))))
  by HN THEN StrongAuto
END
```