```
hlet_def  THM

⊢  ∀'b,'a:S. equal(let,λf:'a → 'b. λx:'a. f(x))
| by Simpset [`hol_to_nuprl`] THEN Simp THEN StrongAuto
|
1. 'b : S
2. 'a : S
⊢  (λf:'a→'b. λe:'a. let x = e in f(x)) =_b (λf:'a→'b. λx:'a. f(x))
| by Simpset [`ext`] THEN Simp THEN StrongAuto
|
1. 'b : S
2. 'a : S
⊢  (λf:'a→'b. λe:'a. let x = e in f(x)) = (λf:'a→'b. λx:'a. f(x))
  by Unab [`let`] THEN Simp THEN StrongAuto
END
```