```
hprim_rec_thm  THM

⊢  ∀'a:S.
   all
   (λx:'a. all
           (λf:'a → hnum → 'a. and
                                (equal(prim_rec(x,f,0),x)
                                ,all
                                 (λm:hnum. equal
                                           (prim_rec(x,f,suc(m))
                                           ,f(prim_rec(x,f,m),m))))))
  by HOL "hprim_rec_thm"
END
```