```
hmult_clauses  THM

⊢  all
   (λm:hnum. all
             (λn:hnum. and
                       (equal(mult(0,m),0)
                       ,and
                        (equal(mult(m,0),0)
                        ,and
                         (equal(mult(1,m),m)
                         ,and
                          (equal(mult(m,1),m)
                          ,and
                           (equal(mult(suc(m),n),add(mult(m,n),n))
                           ,equal
                            (mult(m,suc(n))
                            ,add(m,mult(m,n)))))))))
  by HOL "hmult_clauses"
END
```