```
hmod_times  THM

⊢  all
   (λn:hnum. implies
             (lt(0,n)
             ,all
              (λq:hnum. all
                        (λr:hnum. equal
                                  (mod(add(mult(q,n),r),n)
                                  ,mod(r,n))))))  by HOL "hmod_times"
END
```