```
mod_times  THM

⊢  ∀n:ℕ. 0<n ⇒ (∀q,r:ℕ. nmod(q·n+r;n) = nmod(r;n))
  by RewriteOfThm
     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))))))
     {hmod_times}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```