```
div_mult  THM

⊢  ∀n,r:ℕ. r<n ⇒ (∀q:ℕ. ndiv(q·n+r;n) = q)
  by RewriteOfThm
     Thm* all
          (λn:hnum. all
                    (λr:hnum. implies
                              (lt(r,n)
                              ,all
                               (λq:hnum. equal
                                         (div(add(mult(q,n),r),n)
                                         ,q)))))
     {hdiv_mult}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```