```
less_mult_mono  THM

⊢  ∀m,i,n:ℕ. (n+1)·m<(n+1)·i ⟺ m<i
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λi:hnum. all
                              (λn:hnum. equal
                                        (lt
                                         (mult(suc(n),m)
                                         ,mult(suc(n),i))
                                        ,lt(m,i)))))
     {hless_mult_mono}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```