```
less_mono_add_inv  THM

⊢  ∀m,n,x:ℕ. m+x<n+x ⇒ m<n
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. implies
                                        (lt(add(m,p),add(n,p))
                                        ,lt(m,n)))))
     {hless_mono_add_inv}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```