```
sub_left_greater  THM

⊢  ∀m,n,x:ℕ. nnsub(n;x)<m ⟺ n<m+x & 0<m
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. equal
                                        (gt(m,sub(n,p))
                                        ,and
                                         (gt(add(m,p),n)
                                         ,gt(m,0))))))
     {hsub_left_greater}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```