```
sub_left_add  THM

⊢  ∀m,n,x:ℕ. m+nnsub(n;x) = if n≤₂x then m else nnsub(m+n;x) fi
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. equal
                                        (add(m,sub(n,p))
                                        ,cond
                                         (le(n,p)
                                         ,m
                                         ,sub(add(m,n),p))))))
     {hsub_left_add}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```