```
left_add_distrib  THM

⊢  ∀m,n,x:ℕ. x·(m+n) = x·m+x·n
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. equal
                                        (mult(p,add(m,n))
                                        ,add(mult(p,m),mult(p,n))))))
     {hleft_add_distrib}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```