```
pre_suc  THM

⊢  pre(0) = 0 & (∀m:ℕ. pre(m+1) = m)
  by RewriteOfThm
     Thm* and(equal(pre(0),0),all(λm:hnum. equal(pre(suc(m)),m)))
     {hpre_suc}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```