```
pre_suc_eq  THM

⊢  ∀m,n:ℕ. 0<n ⇒ (m = pre(n) ⟺ m+1 = n)
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. implies
                              (lt(0,n)
                              ,equal
                               (equal(m,pre(n))
                               ,equal(suc(m),n)))))
     {hpre_suc_eq}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```