```
inv_pre_eq  THM

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