```
less_eq_antisym  THM

⊢  ∀m,n:ℕ. ¬(m<n & n≤m)
  by RewriteOfThm
     Thm* all(λm:hnum. all(λn:hnum. not(and(lt(m,n),le(n,m)))))
     {hless_eq_antisym}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```