```
less_suc_eq_cor  THM

⊢  ∀m,n:ℕ. m<n & ¬m+1 = n ⇒ m+1<n
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. implies
                              (and(lt(m,n),not(equal(suc(m),n)))
                              ,lt(suc(m),n))))
     {hless_suc_eq_cor}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```