```
less_not_suc  THM

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