```
less_not_eq  THM

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