```
hless_eq_less_trans  THM

⊢  all
   (λm:hnum. all
             (λn:hnum. all
                       (λp:hnum. implies
                                 (and(le(m,n),lt(n,p))
                                 ,lt(m,p)))))
  by HOL "hless_eq_less_trans"
END
```