```
less_eq_less_eq_mono  THM

⊢  ∀m,n,x,q:ℕ. m≤x & n≤q ⇒ m+n≤x+q
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. all
                                        (λq:hnum. implies
                                                  (and
                                                   (le(m,p)
                                                   ,le(n,q))
                                                  ,le
                                                   (add(m,n)
                                                   ,add(p,q)))))))
     {hless_eq_less_eq_mono}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```