```
add_eq_sub  THM

⊢  ∀m,n,x:ℕ. n≤x ⇒ (m+n = x ⟺ m = nnsub(x;n))
  by RewriteOfThm
     Thm* all
          (λm:hnum. all
                    (λn:hnum. all
                              (λp:hnum. implies
                                        (le(n,p)
                                        ,equal
                                         (equal(add(m,n),p)
                                         ,equal(m,sub(p,n)))))))
     {hadd_eq_sub}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```