```
mult_suc_eq  THM

⊢  ∀x,m,n:ℕ. n·(x+1) = m·(x+1) ⟺ n = m
  by RewriteOfThm
     Thm* all
          (λp:hnum. all
                    (λm:hnum. all
                              (λn:hnum. equal
                                        (equal
                                         (mult(n,suc(p))
                                         ,mult(m,suc(p)))
                                        ,equal(n,m)))))
     {hmult_suc_eq}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```