```
inv_suc_eq  THM

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