```
odd_exists  THM

⊢  ∀n:ℕ. odd(n) ⟺ (∃m:ℕ. n = 2·m+1)
  by RewriteOfThm
     Thm* all
          (λn:hnum. equal
                    (odd(n)
                    ,exists(λm:hnum. equal(n,suc(mult(2,m))))))
     {hodd_exists}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```