```
odd_or_even  THM

⊢  ∀n:ℕ. ∃m:ℕ. n = (0+1+1)·m ∨ n = (0+1+1)·m+1
  by RewriteOfThm
     Thm* all
          (λn:hnum. exists
                    (λm:hnum. or
                              (equal(n,mult(suc(suc(0)),m))
                              ,equal(n,add(mult(suc(suc(0)),m),1)))))
     {hodd_or_even}
     (SimpsetC [‘hol_to_nuprl‘;‘bequal‘])
END
```