```
hodd_or_even  THM

⊢  all
   (λn:hnum. exists
             (λm:hnum. or
                       (equal(n,mult(suc(suc(0)),m))
                       ,equal(n,add(mult(suc(suc(0)),m),1)))))
  by HOL "hodd_or_even"
END
```