```
heven_odd_exists  THM

⊢  all
   (λn:hnum. and
             (implies(even(n),exists(λm:hnum. equal(n,mult(2,m))))
             ,implies
              (odd(n)
              ,exists(λm:hnum. equal(n,suc(mult(2,m)))))))
  by HOL "heven_odd_exists"
END
```