```
hgen_induction  THM

⊢  all
   (λP:hnum → hbool. implies
                     (and
                      (P(0)
                      ,all
                       (λn:hnum. implies
                                 (all(λm:hnum. implies(lt(m,n),P(m)))
                                 ,P(n))))
                     ,all(λn:hnum. P(n))))  by HOL "hgen_induction"
END
```