```
himp_antisym_ax  THM

⊢  all
|  (λt1:hbool. all
|              (λt2:hbool. implies
|                          (implies(t1,t2)
|                          ,implies(implies(t2,t1),equal(t1,t2)))))
| by Simpsetp [`hol_to_nuprl`] THEN StrongAuto
|
1. t1 : 𝔹
2. t2 : 𝔹
3. t1 ⇒ t2
4. t2 ⇒ t1
⊢  t1 = t2
  by Simpsetp [`bequal`] THEN StrongAuto THEN Try HypBackchain
     THEN
     StrongAuto
END
```