```
cons_char  THM

⊢  ∀'a:S, l:'a List. ¬mt(l) ⇒ cons(head(l); tl(l)) = l
| by RewriteOfThm
|    Thm* ∀'a:S.
|         all
|         (λl:hlist('a). implies
|                        (not(null(l))
|                        ,equal(cons(hd(l),tl(l)),l)))
|    {hcons_char}
|    (WOSimpC (ioid !oid{hdd simp update:s}) HNC)
|    THENA
|    Try (Complete Auto)
|
1. ∀'a:S, l:hlist('a). ¬mt(l) ⇒ cons((hd(l)); tl(l)) = l
⊢  ∀'a:S, l:'a List. ¬mt(l) ⇒ cons(head(l); tl(l)) = l  by HN
END
```