```
inr_houtr  THM

⊢  ∀'a,'b:S, x:'a+'b. isr(x) ⇒ inr(outr(x)) = x
| by RewriteOfThm
|    Thm* ∀'a,'b:S.
|         all(λx:hsum('a; 'b). implies(isr(x),equal(inr(outr(x)),x)))
|    {hinr_houtr}
|    IdC
|
1. ∀'a,'b:S.
|  all(λx:hsum('a; 'b). implies(isr(x),equal(inr(outr(x)),x)))
⊢  ∀'a,'b:S, x:'a+'b. isr(x) ⇒ inr(outr(x)) = x
| by RW IdC -1 THENA Try (Complete Auto)
|
1. ∀'a,'b:S.
|  all(λx:hsum('a; 'b). implies(isr(x),equal(inr(outr(x)),x)))
⊢  ∀'a,'b:S, x:'a+'b. isr(x) ⇒ inr(outr(x)) = x  by RW HNC -1
|
1. ∀'a,'b:S, x:hsum('a; 'b). isr(x) ⇒ inr(outr(x)) = x
⊢  ∀'a,'b:S, x:'a+'b. isr(x) ⇒ inr(outr(x)) = x
  by RW (SimpsetC [`hol_to_nuprl2`]) -1
END
```