```
hinr_def  THM

⊢  ∀'a,'b:S.
|  all
|  (λe:'b. equal
|          (inr(e)
|          ,abs_sum(λb:hbool. λx:'a. λy:'b. and(equal(y,e),not(b)))))
| by Unab [‘hinr‘] THEN HN THEN StrongAuto
|
1. 'a : S
2. 'b : S
3. e : 'b
⊢  inr(e) = abs_sum(λb:hbool. λx@0:'a. λy:'b. (y =b e)∧2¬2b)
| by Assert (inr(e) = abs_sum(rep_sum(inr(e)))) THEN StrongAuto
|
|\
| .....assertion .....
| 1. 'a : S
| 2. 'b : S
| 3. e : 'b
| ⊢  inr(e) = abs_sum(rep_sum(inr(e)))
|   by SwapEquands 0 THEN L Thm: sum_iso THEN StrongAuto
|
.\
. 1. 'a : S
. 2. 'b : S
. 3. e : 'b
. 4. inr(e) = abs_sum(rep_sum(inr(e)))
. ⊢  inr(e) = abs_sum(λb:hbool. λx@0:'a. λy:'b. (y =b e)∧2¬2b)
.   by Unab [‘hrep_sum‘] THEN Simp THEN StrongAuto
END
```