```
assert_rel_eq  THM

⊢  ∀a,b:rel(). rel_eq(a;b) ⟺ a = b
| by UnivCD THENA Auto THEN
Unfold ‘rel_eq‘ 0 THEN

|    RW assert_pushdownC 0
THENM RWW "assert_eq_relname" 0

|    THENM RWW "assert_termlist_eq" 0
THEN Auto

|    THEN Try (HypSubst (-1) 0 THEN Complete Auto)
|
|
1. a : rel()
2. b : rel()
3. a.name = b.name
4. a.args = b.args
⊢  a = b
  by D 2 THEN D 1 THEN All Reduce
THEN Fold ‘mk_rel‘ 0 THEN EqCD

     THEN Auto
END
```