```
eq_id_self  THM

⊢  ∀a:Id. a = a ~ true₂
  by Auto THEN Unfold ‘eq_id‘ 0
     THEN
     RWO
     Thm* ∀d:EqDecider(A), i:A. (eqof(d)(i,i)) ~ true₂
     {eqof_eq_btrue}
     0
END
```