```
eqof_eq_btrue  THM

⊢  ∀A:Type, d:EqDecider(A), i:A. (eqof(d)(i,i)) ∼ true₂
| by Auto THEN Analyze -2 THEN InstHyp [i;i] -2 THEN Unfold `eqof` 0
|    THEN
|    Reduce 0
|
1. A : Type
2. eq : A→A→𝔹
3. ∀x,y:A. x = y ⟺ eq(x,y)
4. i : A
5. i = i ⟺ eq(i,i)
⊢  (eq(i,i)) ∼ true₂
  by AutoBoolCase (eq(i,i)) THEN Analyze -1 THEN BackThruSomeHyp
END
```