```
discrete_equality_reflexive  THM

⊢  ∀eq:{T=₂}, u:T. eq(u,u)  by UnivCD
|
1. T : Type
2. eq : {T=₂}
3. u : T
⊢  eq(u,u)  by UnfoldTopAb 2
|
2. eq : {eq:(T→T→𝔹)| ∀x,y:T. eq(x,y) ⟺ x = y }
3. u : T
⊢  eq(u,u)  by Analyze 2
|
2. eq : T→T→𝔹
3. ∀x,y:T. eq(x,y) ⟺ x = y  [not for witness]
4. u : T
⊢  eq(u,u)  by Unhide
|
3. ∀x,y:T. eq(x,y) ⟺ x = y
4. u : T
⊢  eq(u,u)  by Witness3 u THEN With u (Analyze -1) THEN HypBackchain
|
3. u : T
4. eq(u,u) ⟺ u = u
⊢  u = u  by Auto
END
```