```
binary_ident_unique  THM

⊢  ∀A:Type, f:(A→A→A), u,v:A.
|  is_ident(A; f; u) ⇒ is_ident(A; f; v) ⇒ u = v  by Auto
|
1. A : Type
2. f : A→A→A
3. u : A
4. v : A
5. is_ident(A; f; u)
6. is_ident(A; f; v)
⊢  u = v
| by Inst: is_ident(A; f; u) Using:[v]
|    THEN
|    Inst: is_ident(A; f; v) Using:[u]
|
7. f(u,v) = v & f(v,u) = v
8. f(v,u) = u & f(u,v) = u
⊢  u = v  by Auto
END
```