```
inhabited_uniquely_elim  THM

⊢  ∀A:Type. (∃!∈A) ⇒ (∃x:A. ∀y:A. x = y)  by Auto
|
1. A : Type
2. ∃!∈A
⊢  ∃x:A. ∀y:A. x = y  by SimilarTo Hyp:-1
|
2. x : {x:A| ∀y:A. x = y }
3. y : A
⊢  x = y  by Analyze2 THEN BackThru: ∀y:A. x = y
END
```