```
inhabited_uniquely_vs_exists  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 }
| ⊢  ∀y:A. x = y  by Analyze-1 THEN Unhide
|
.\
. 1. A : Type
. 2. ∃x:A. ∀y:A. x = y
. ⊢  ∃!∈A  by SimilarTo: Hyp:-1
END
```