```
member_singleton  THM

⊢  ∀T:Type, a,x:T. (x ∈ [a]) ⟺ x = a
| by ...
|
|\
| 1. T : Type
| 2. a : T
| 3. x : T
| 4. i : ℕ
| 5. i<1
| 6. x = [a][i]
| ⊢  x = a
|   by MoveToConcl (-1) THEN CaseNatZero ‘i’ THEN Reduce 0 THEN Auto’
|
|\
| 1. T : Type
| 2. T
| 3. T
| 4. i : ℕ
| 5. i<1
| ⊢  i<1  by Trivial
|
.\
. 1. T : Type
. 2. a : T
. 3. x : T
. 4. x = a
. ⊢  ∃i:ℕ. i<1 & x = [a][i]
.   by InstConcl [0] THEN Reduce 0 THEN Auto THEN Reduce 0 THEN Auto
END
```