```
singleton_singleton_self  THM

⊢  {a:{a:A}} =ext {a:A}  by Def of {a:{a:A}}
|
1. A : Type
2. a : A
⊢  {x:{a:A}| x = a ∈ {a:A} } =ext {a:A}
| by a ∈ {a:A}  Asserted THEN Analyze
|
3. a ∈ {a:A}
4. x : {a:A}
⊢  x ∈ {x:{a:A}| x = a }  by Analyze
|
.....set predicate .....
⊢  x = a
  by BackThru:
     Thm*  ∀x:{a:A}. x = a ∈ {a:A}    {singleton_eq_in_self}
END
```