```
inhab_rep_axiom  THM

⊢  ∀P:Prop. ∃A:Type{i}. P = (∃∈A) ∈ Prop  by Auto
|
1. P : Prop
⊢  ∃A:Type. P = (∃∈A) ∈ Prop  by Witness: P THEN Def
END
```