```
inhab_choice  THM

⊢  (∀x:A. ∃∈B(x)) ⟺ (∃∈(x:A→B(x)))
| by Def of ∀x:A. <prop> | ∃∈<type>
|
⊢  ∀A:Type, B:(A→Type). x:A→B(x) ⟺ x:A→B(x)
  by Guarding (x:A→B(x)) Auto
END
```