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sfa_doc_equal_via_so  THM

⊢  ∀A:Type, a,b:A. a = b ⟺ (∀P:(A→Prop). P(a) ⇒ P(b))  by UnivCD
|
1. A : Type
2. a : A
3. b : A
⊢  a = b ⟺ (∀P:(A→Prop). P(a) ⇒ P(b))  by 2 Times Analyze
|
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| 4. a = b
| ⊢  ∀P:(A→Prop). P(a) ⇒ P(b)  by UnivCD
| |
| 5. P : A→Prop
| 6. P(a)
| ⊢  P(b)  by Rewrite by a = b ∈ A
|
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. 4. ∀P:(A→Prop). P(a) ⇒ P(b)
. ⊢  a = b  by Inst: Hyp:-1 Using:[P(x):= a = x ∈ A]
END
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