```
sfa_doc_pairing_projs  THM

⊢  ∀A:Type, B:(A→Type), p:(u:A×B(u)). p = <p.1,p.2> ∈ a:A×B(a)
| by UnivCD
|
1. A : Type
2. B : A→Type
3. p : u:A×B(u)
⊢  p = <p.1,p.2> ∈ a:A×B(a)  by New:[u | v] Analyze-1
|
3. u : A
4. v : B(u)
⊢  <u,v> = <<u,v>.1,<u,v>.2> ∈ a:A×B(a)  by Reduce Concl
|
⊢  <u,v> = <u,v> ∈ a:A×B(a)  by Auto
END
```