```
card_product_swap  THM

⊢  (A×B) ∼ (B×A)  by Def of <type> ∼ <type>
|
1. A : Type
2. B : Type
⊢  ∃f:(A×B→B×A), g:(B×A→A×B). InvFuns(A×B;B×A;f;g)
  by ⌈(λyx.yx/y,x. <x,y>)((λxy.xy/x,y. <y,x>)(<x,y>))⌉ *⇒ <x,y>
END
```