```
one_one_corr_symm  THM

⊢  (A ∼ B) ⇒ (B ∼ A)  by (Unfold ‘one_one_corr‘ 0) THEN GenExRepD
|
1. A : Type
2. B : Type
3. f : A→B
4. g : B→A
5. InvFuns(A; B; f; g)
⊢  ∃f:(B→A), g:(A→B). InvFuns(B; A; f; g)  by InstConcl [g;f]
|
⊢  InvFuns(B; A; g; f)
  by BackThru
     Thm* ∀f:(A→B), g:(B→A).
          InvFuns(A; B; f; g) ⇒ InvFuns(B; A; g; f)
     {inv_funs_sym}
END
```