```
one_one_corr_2_weakening_wrt  THM

⊢  ∀A,B:Type. A = B ⇒ (A ∼ B)  by Def of A ∼ B
|
1. A : Type
2. B : Type
3. A = B
⊢  ∃f:(A→B), g:(B→A). InvFuns(A;B;f;g)
| by Subst←: A = B ∈ Type THEN Witness: Id | Id
|
⊢  InvFuns(A;A;Id;Id)
  by BackThru: Thm*  InvFuns(A;A;Id;Id)    {inv_funs_2_identity}
END
```