```
compose_wf_inj  THM

⊢  ∀A,B,C:Type, f:(B inj→ C), g:(A inj→ B). f ∘ g ∈ A inj→ C
| by UnivCD THEN Analyze-1 THEN Analyze4 THEN Analyze
|
.....set predicate .....
1. A : Type
2. B : Type
3. C : Type
4. f : B→C
5. Inj(B; C; f)
6. g : A→B
7. Inj(A; B; g)
⊢  Inj(A; C; f ∘ g)
  by BackThru:
     Thm*  Inj(A; B; g) ⇒ Inj(B; C; f) ⇒ Inj(A; C; f ∘ g)
     {comp_preserves_inj}
END
```