```
comp_preserves_bij  THM

⊢  Bij(A; B; g) ⇒ Bij(B; C; f) ⇒ Bij(A; C; f ∘ g)
| by Def of Bij(<A>; <B>; <f>) THEN UnivCD
|
1. A : Type
2. B : Type
3. C : Type
4. g : A→B
5. f : B→C
6. Inj(A; B; g) & Surj(A; B; g)
7. Inj(B; C; f) & Surj(B; C; f)
⊢  Inj(A; C; f ∘ g) & Surj(A; C; f ∘ g)
  by Analyze
     THEN
     BackThru:
     Thm*  Inj(A; B; g) ⇒ Inj(B; C; f) ⇒ Inj(A; C; f ∘ g)
     {comp_preserves_inj} |
     Thm*  Surj(A; B; g) ⇒ Surj(B; C; f) ⇒ Surj(A; C; f ∘ g)
     {comp_preserves_surj}
END
```