```
comp_assoc  THM

⊢  ∀f:(A→B), g:(B→C), h:(C→D). h o (g o f) = (h o g) o f ∈ A→D
| by UnivCD THEN (Unfold ‘compose‘ 0 THEN Reduce 0)
|
1. A : Type
2. B : Type
3. C : Type
4. D : Type
5. f : A→B
6. g : B→C
7. h : C→D
⊢  (λx.h(g(f(x)))) = (λx.h(g(f(x))))  by Auto
END
```