```
compose_iter_pos2  THM

⊢  ∀A:Type, f:(A→A), i:ℕ+, x:A. f{⁰i}(x) = f{⁰i-1}(f(x))  by Auto
|
1. A : Type
2. f : A→A
3. i : ℕ+
4. x : A
⊢  f{⁰i}(x) = f{⁰i-1}(f(x))  by Rewrite by f(x) = f{⁰1}(x) ∈ A
|
|\
| .....assertion .....
| ⊢  f(x) = f{⁰1}(x)
|   by Rewrite by Thm*  ∀f:(A→A). f{⁰1} = f    {compose_iter_once}
|
.\
. ⊢  f{⁰i}(x) = f{⁰i-1}(f{⁰1}(x))
.   by BackThru:
.      Thm*  ∀x:A, f:(A→A), i,j,k:ℕ.
.             k = i+j ⇒ f{⁰i}(f{⁰j}(x)) = f{⁰k}(x)
.      {compose_iter_sum}
END
```