```
compose_iter_sum_comp_rw  THM

⊢  ∀A:Type, f:(A→A), k:ℕ, i:{0...k}. f{^0k} = f{^0i} o f{^0k-i}
| by Def of <fun> o <fun> THEN FunExtensionality
|
1. A : Type
2. f : A→A
3. k : ℕ
4. i : {0...k}
5. x : A
⊢  f{^0k}(x) = f{^0i}(f{^0k-i}(x))
  by BackThru:
     Thm*  ∀x:A, f:(A→A), k:ℕ, i:{0...k}.
           f{^0k}(x) = f{^0i}(f{^0k-i}(x))
     {compose_iter_sum_rw}
END
```