```
factorial_tail_via_iter_null  THM

⊢  ∀m,k:ℕ. m = 0 ∈ ℕ ⇒ k!m = 1 ∈ ℕ  by Def of k!m
|
1. m : ℕ
2. k : ℕ
3. m = 0 ∈ ℕ
⊢  (Π i:{k-m..k⁻}. i+1) = 1 ∈ ℕ
  by BackThru:
     Thm*  ∀f:(A→A→A), u:A, a,b:ℤ, e:({a..b⁻}→A).
           b≤a ⇒ (Iter(f;u) i:{a..b⁻}. e(i)) = u
     {iter_via_intseg_null} ...ℕ
END
```