```
sum_via_intseg_null  THM

⊢  ∀a,b:ℤ, e:({a..b⁻}→ℤ). b≤a ⇒ (Σ i:{a..b⁻}. e(i)) = 0
  by Inst:
     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}
     Using:[A:= ℤ | f:= λx,y. x+y | 0]
     THEN
     Reduce Hyp:-1
END
```