```
mul_via_intseg_one  THM

⊢  ∀a,b:ℤ, e:({a..b⁻}→ℤ).
|  (∀i:{a..b⁻}. e(i) = 1) ⇒ (Π i:{a..b⁻}. e(i)) = 1  by UnivCD
|
1. a : ℤ
2. b : ℤ
3. e : {a..b⁻}→ℤ
4. ∀i:{a..b⁻}. e(i) = 1
⊢  (Π i:{a..b⁻}. e(i)) = 1
| by BackThru:
|    Thm*  ∀f:(A→A→A), u:A.
|          is_ident(A; f; u)
|          ⇒
|          (∀a,b:ℤ, e:({a..b⁻}→A).
|           (∀i:{a..b⁻}. e(i) = u) ⇒ (Iter(f;u) i:{a..b⁻}. e(i)) = u)
|    {iter_via_intseg_all_units}
|
⊢  is_ident(ℤ; (λx,y. x·y); 1)
  by BackThru:
     Thm*  is_ident(ℤ; (λx,y. x·y); 1)    {intmul_ident_one}
END
```