```
card_sum_family_intseg_singleton_elim  THM

⊢  ∀a,a':ℤ.
|  a'-a = 1 ⇒ (∀B:({a..a'⁻}→Type{i}). (i:{a..a'⁻}×B(i)) ∼ B(a))
| by Auto
|
1. a : ℤ
2. a' : ℤ
3. a'-a = 1
4. B : {a..a'⁻}→Type
⊢  (i:{a..a'⁻}×B(i)) ∼ B(a)
  by Rewrite by ({a:ℤ}×B(a)) ∼ B(a)
     THEN
     Repeat
     BackThru:
     Thm*  ∀B:({a:A}→Type). (i:{a:A}×B(i)) ∼ B(a)
     {card_sum_family_singleton_elim} |
     Thm*  ∀a,a':ℤ.
           a'-a = 1
           ⇒
           (∀B:({a..a'⁻}→Type{i}). (i:{a..a'⁻}×B(i)) ∼ ({a:ℤ}×B(a)))
     {card_sum_family_singleton_vs_intseg}
END
```