```
exteq_sum_family_singleton_vs_intseg  THM

⊢  ∀a,a':ℤ.
|  a'-a = 1
|  ⇒
|  (∀B:({a..a'⁻}→Type{i}). (i:{a..a'⁻}×B(i)) =ext ({a:ℤ}×B(a)))
| by Auto
|
1. a : ℤ
2. a' : ℤ
3. a'-a = 1
4. B : {a..a'⁻}→Type
⊢  (i:{a..a'⁻}×B(i)) =ext ({a:ℤ}×B(a))
| by Analyze THEN Analyze
|    THEN
|    New:[i | b] Analyze-1 THEN Analyze
|    THEN
|    Try
|    BackThru:
|    Thm*  ∀a,a':ℤ. a'-a = 1 ⇒ ({a..a'⁻} =ext {a:ℤ})
|    {exteq_singleton_vs_intseg}
|
|\
| 5. i : {a..a'⁻}
| 6. b : B(i)
| ⊢  b ∈ B(a)  by ChangeToEqType-1: B(a)
| |
| .....equality .....
| ⊢  B(i) = B(a) ∈ Type  by Analyze
|
.\
. 5. i : {a:ℤ}
. 6. b : B(a)
. ⊢  b ∈ B(i)  by Analyze-2
. |
. 5. i : ℤ
. 6. i = a
. 7. b : B(a)
. ⊢  b ∈ B(i)  by ChangeToEqType-1: B(i)
. |
. .....equality .....
. ⊢  B(a) = B(i) ∈ Type  by Analyze
END
```