```
sfa_doc_void_via_isect  THM

⊢  Void =ext (∩A:Type. A)  by Auto
|
1. X : ∩A:Type. A
⊢  X ∈ Void  by X ∈ (∩A:Type. A)  Asserted
|
2. X ∈ (∩A:Type. A)
⊢  X ∈ Void  by Witness2: {0:ℤ} THEN Witness2: {1:ℤ}
|
3. X ∈ {0:ℤ}
4. X ∈ {1:ℤ}
⊢  X ∈ Void  by Analyze3 THEN Analyze4
|
5. X ∈ ℤ
6. X = 0
7. X ∈ ℤ
8. X = 1
⊢  X ∈ Void  by {Contradiction by X = 0 and X = 1 } Auto
END
```