```
sfa_doc_isect_subtype  THM

⊢  ∀A:Type, B:(A→Type), a:A. (∩x:A. B(x)) ⊆ B(a)  by UnivCD
|
1. A : Type
2. B : A→Type
3. a : A
⊢  (∩x:A. B(x)) ⊆ B(a)  by Analyze
|
4. x : ∩x:A. B(x)
⊢  x ∈ B(a)  by x ∈ (∩x:A. B(x))  Asserted THEN Witness-1: a
|
5. x ∈ (∩x:A. B(x))
6. x ∈ B(a)
⊢  x ∈ B(a)  by Hypothesis
END
```