```
range_restriction_indep  THM

⊢  ∀A,B:Type, f:(A→B). f ∈ A→{y:B| ∃x:A. f(x) = y }  by UnivCD
|
1. A : Type
2. B : Type
3. f : A→B
⊢  f ∈ A→{y:B| ∃x:A. f(x) = y }  by FunExtensionality
|
4. x : A
⊢  f(x) ∈ {y:B| ∃x:A. f(x) = y }  by Analyze THEN Witness: x
END
```