```
rename_decl_subtype  THM

⊢  ∀d:Decl, f:(Label→Label), x:Label, z:decl_type(d o f;f(x)).
|  z ∈ decl_type(d;x)
| by UnivCD THENA Auto THEN All (Unfold ‘decl_type‘)
|
|
1. d : Decl
2. f : Label→Label
3. x : Label
4. z : d o f(f(x))
⊢  z ∈ d(x)
| by Unfold ‘rename_decl‘ (-1) THEN Reduce (-1)
THEN IsectHD x (-1)
|
1. d : Decl
2. f : Label→Label
3. x : Label
4. z : ∩y:Label. if f(x) =l f(y)→ d(y) else Top fi
5. z ∈ if f(x) =l f(x)→ d(x) else Top fi
⊢  z ∈ d(x)  by EqLblReflexive (-1) THEN Trivial
END
```