```
dec_lookup_functionality  THM

⊢  ∀ds1,ds2:Collection(dec()), x:Label.
|  ds1 = ds2 ⇒ dec_lookup(ds1;x) = dec_lookup(ds2;x)  by Auto
|
1. ds1 : Collection(dec())
2. ds2 : Collection(dec())
3. x : Label
4. ds1 = ds2
⊢  dec_lookup(ds1;x) = dec_lookup(ds2;x)
| by Unfold `col_equal` 0
THEN RWW "member_dec_lookup" 0
THENA Auto
|
1. ds1 : Collection(dec())
2. ds2 : Collection(dec())
3. x : Label
4. ds1 = ds2
⊢  ∀x@0:SimpleType. mk_dec(x, x@0) ∈ ds1 ⟺ mk_dec(x, x@0) ∈ ds2
  by RW (SweepDnC (HypC (-1))) 0 THEN Auto
END
```