```
decls_mng_monotone  THM

⊢  ∀ds1,ds2:Collection(dec()), rho:Decl, r:{[[ds1]] rho}.
|  ds2 ⊆ ds1 ⇒ r ∈ {[[ds2]] rho}
| by Unfold ‘record‘ 0 THEN Unfold ‘decl_type‘ 0 THEN Auto

|    THEN Try (Fold ‘decl‘ 0 THEN Auto)
|
.....unproved Inclusion subgoal .....
1. ds1 : Collection(dec())
2. ds2 : Collection(dec())
3. rho : Decl
4. l:Label→[[ds1]] rho(l)
5. ds2 ⊆ ds1
6. x1 : Label
⊢  ([[ds1]] rho(x1)) ⊆ ([[ds2]] rho(x1))
| by Unfold ‘subtype‘ 0 THEN Auto
|
|\
| 1. ds1 : Collection(dec())
| 2. ds2 : Collection(dec())
| 3. rho : Decl
| 4. l:Label→[[ds1]] rho(l)
| 5. ds2 ⊆ ds1
| 6. x1 : Label
| 7. x : [[ds1]] rho(x1)
| ⊢  x ∈ [[ds2]] rho(x1)
| | by Using [‘ds1’,ds1] (BackThruLemma ‘decls_mng_member‘) THEN Auto
| |
| 1. ds1 : Collection(dec())
| 2. ds2 : Collection(dec())
| 3. rho : Decl
| 4. l:Label→[[ds1]] rho(l)
| 5. ds2 ⊆ ds1
| 6. x1 : Label
| 7. [[ds1]] rho(x1)
| 8. d : dec()
| 9. d ∈ ds2
| 10. d.lbl = x1
| ⊢  d ∈ ds1
|   by AllHyps (Unfold ‘col_le‘) THEN BackThruSomeHyp THEN Auto
|
.\
. .....subterm .....
. 1. ds1 : Collection(dec())
. 2. ds2 : Collection(dec())
. 3. rho : Decl
. 4. l:Label→[[ds1]] rho(l)
. 5. ds2 ⊆ ds1
. 6. Label
. ⊢  [[ds1]] rho ∈ Label→Type  by Fold ‘decl‘ 0 THEN Auto
END
```