```
sigma_decls_mng_monotone  THM

⊢  ∀d1,d2:Collection(dec()), rho:Decl, u:(Σ[[d1]] rho).
|  d2 ⊆ d1 ⇒ u ∈ (Σ[[d2]] rho)
| by ...
Reduce 0 THEN Auto
THEN Try (Fold ‘decl‘ 0 THEN Auto)
|
1. d1 : Collection(dec())
2. d2 : Collection(dec())
3. rho : Decl
4. l:Label×decl_type([[d1]] rho;l)
5. d2 ⊆ d1
6. l : Label
7. x : [[d1]] rho(l)
⊢  x ∈ [[d2]] rho(l)
| by Using [‘ds1’,d1] (BackThruLemma ‘decls_mng_member‘) THEN Auto
|
1. d1 : Collection(dec())
2. d2 : Collection(dec())
3. rho : Decl
4. l:Label×decl_type([[d1]] rho;l)
5. d2 ⊆ d1
6. l : Label
7. [[d1]] rho(l)
8. d : dec()
9. d ∈ d2
10. d.lbl = l
⊢  d ∈ d1
  by AllHyps (Unfold ‘col_le‘) THEN BackThruSomeHyp THEN Auto
END
```