```
es-interval_wf2  THM

⊢  ∀es:ES, e,e':E. [e, e'] ∈ {ev:E| loc(ev) = loc(e') } List
| by Auto
|    THEN
|    BackThru
|    Thm* ∀T:Type, L:T List, P:(T→Prop).
|          (∀x∈L.P(x)) ⇒ L ∈ {x:T| P(x) } List
|    {list_DASH_set_DASH_type2}
|
1. es : ES
2. e : E
3. e' : E
⊢  (∀ev∈[e, e'].loc(ev) = loc(e'))
| by Unfold `l_all` 0
|    THEN
|    RWO
|    Thm* ∀es:ES, e,e',ev:E. (ev ∈ [e, e']) ⟺ e ≤ ev  & ev ≤ e'
|    {member_DASH_es_DASH_interval}
|    -1
|    THEN
|    Unfold `es-le` -1
|    THEN
|    Unfold `es-locl` -1
|
1. es : ES
2. e : E
3. e' : E
4. ev : E
5. e ≤ ev
6. loc(ev) = loc(e') & (ev < e') ∨ ev = e'
⊢  loc(ev) = loc(e')  by Analyze -1 THEN HypSubst -1 0
END
```