```
assert-es-ble  THM

⊢  ∀es:ES, e,e':E. es-ble{i:l}(es;e;e') ⟺ e ≤ e'
| by UnivCD THEN Unfold `es-ble` 0 THEN GenConclAtAddr [1;1;1;1;1;1]
|    THEN
|    Thin -1
|
1. es : ES
2. e : E
3. e' : E
4. v : ∀the_es:ES, e',e:E. Dec(e ≤ e' )
⊢  InjCase(v(es,e',e); x. true₂, false₂) ⟺ e ≤ e'
| by Unfold `all` -1 THEN GenConclAtAddr [1;1;1] THEN Thin -1
|
1. es : ES
2. e : E
3. e' : E
4. the_es:ES→e',e:E→Dec(e ≤ e' )
5. v1 : Dec(e ≤ e' )
⊢  InjCase(v1; x. true₂, false₂) ⟺ e ≤ e'
| by Analyze -1 THEN Reduce 0
|
1. es : ES
2. e : E
3. e' : E
4. the_es:ES→e',e:E→Dec(e ≤ e' )
5. ¬e ≤ e'
6. e ≤ e'
⊢  False  by Analyze -2
END
```