```
es-le-trans  THM

⊢  ∀the_es:ES. Trans x,y:E. x ≤ y
| by Unfolds [`trans`;`es-le`] 0
|    THEN
|    Inst
|    Thm* ∀the_es:ES. Trans x,y:E. (x <loc y)
|    {es_DASH_locl_DASH_trans}
|    [the_es]
|
1. the_es : ES
2. a : E
3. b : E
4. c : E
5. (a <loc b) ∨ a = b
6. (b <loc c) ∨ b = c
7. Trans x,y:E. (x <loc y)
⊢  (a <loc c) ∨ a = c
  by SplitOrHyps
     THENL
     [OrLeft THEN (UseTrans b)
     ;OrLeft THEN (HypSubst -3 0)
     ;OrLeft THEN (HypSubst -2 -3)
     ;OrRight]
END
```