```
l_disjoint_append2  THM

⊢  ∀T:Type, a,b,c:T List.
   l_disjoint(T;c;a @ b) ⟺ l_disjoint(T;c;a) & l_disjoint(T;c;b)
  by (Unfold `l_disjoint` 0)
     THEN
     (RWO
      Thm* ∀x:T, l1,l2:T List. (x ∈ l1 @ l2) ⟺ (x ∈ l1) ∨ (x ∈ l2)
      {member_append}
      0)
     THEN
     Obvious
END
```