```
list-list-connect-append  THM

⊢  For any graph
   ∀A,B,C:V List. A-->*B @ C ⟺ A-->*B & A-->*C
  by (Unfold ‘list-list-connect‘ 0) THEN (Unfold ‘l_all‘ 0)
     THEN
     (Unfold ‘list-connect‘ 0)
     THEN
     (Unfold ‘l_exists‘ 0)
     THEN
     (All
      (RWO
       Thm* ∀x:T, l1,l2:T List. (x ∈ l1 @ l2) ⟺ (x ∈ l1) ∨ (x ∈ l2)
       {member_append}))
     THEN
     SplitOrHyps
     THEN
     EasyHyp
END
```