```
list_decomp  THM

⊢  ∀T:Type, L:T List. 0<||L|| ⇒ (L ∼ [hd(L) / tl(L)])
| by UnivCD THENA Auto
|
1. T : Type
2. L : T List
3. 0<||L||
⊢  L ∼ [hd(L) / tl(L)]  by ListInd 2 THEN Reduce 0 THEN Auto
END
```