```
sq_stable__list_all  THM

⊢  ∀P:(T→Prop), L:T List.
|  (∀x:T. SqStable(P(x))) ⇒ SqStable(∀x∈L.P(x))  by UnivCD
|
1. T : Type
2. P : T→Prop
3. L : T List
4. ∀x:T. SqStable(P(x))
⊢  SqStable(∀x∈L.P(x))  by ListInd 3 THEN Reduce 0
|
|\
| ⊢  SqStable(True)  by Auto
|
.\
. 5. u : T
. 6. v : T List
. 7. SqStable(∀x∈v.P(x))
. ⊢  SqStable(P(u) & ∀x∈v.P(x))  by ProveSqStable
END
```