```
non_neg_length  THM

⊢  ∀l:A List. ||l||≥0  by UnivCD
|
1. A : Type
2. l : A List
⊢  ||l||≥0  by ListInd 2
|
|\
| ⊢  ||nil||≥0  by AbReduce 0
|
.\
. 3. u : A
. 4. v : A List
. 5. ||v||≥0
. ⊢  ||u.v||≥0  by AbReduce 0
END
```