```
length_wf1  THM

⊢  ∀A:Type, l:A List. ||l|| ∈ ℤ  by UnivCD
|
1. A : Type
2. l : A List
⊢  ||l|| ∈ ℤ  by ListInd 2
|
|\
| ⊢  ||nil|| ∈ ℤ  by AbReduce 0
|
.\
. 3. u : A
. 4. v : A List
. 5. ||v|| ∈ ℤ
. ⊢  ||u.v|| ∈ ℤ  by AbReduce 0
. |
. ⊢  ||v||+1 ∈ ℤ  by Analyze
. |
. |\
. | ⊢  ||v|| ∈ ℤ  by Trivial
. |
. .\
. . ⊢  1 ∈ ℤ  by Auto
END
```