```
head_wf  THM

⊢  ∀'a:Type, l:'a List. ¬mt(l) ⇒ head(l) ∈ 'a
| by Id THEN StrongAuto THEN Try (Complete (Unfold `label` 0))
|
1. 'a : Type
2. l : 'a List
3. ¬mt(l)
⊢  head(l) ∈ 'a
| by ListInd 2 THEN StrongAuto THEN Try (Complete (Unfold `label` 0))
|    THEN
|    Unab [`head`;`hd`;`mt`] THEN All AbReduce
|    THEN
|    StrongAuto
|    THEN
|    Try (Complete (Unfold `label` 0))
|
1. 'a : Type
2. 'a List
3. ¬True
⊢  "?" ∈ 'a
  by Analyze 3 THEN StrongAuto THEN Try (Complete (Unfold `label` 0))
END
```