```
reject_cons_hd  THM

⊢  ∀a:T, as:T List, i:ℤ. i≤0 ⇒ (a.as)\[i] = as
| by UnivCD THEN RecUnfold ‘reject‘ 0 THEN SplitOnConclITE
|
|\
| .....truecase .....
| 1. T : Type
| 2. a : T
| 3. as : T List
| 4. i : ℤ
| 5. i≤0
| 6. i≤0
| ⊢  tl((a.as)) = as  by AbReduce 0
|
.\
. .....falsecase .....
. 1. T : Type
. 2. a : T
. 3. as : T List
. 4. i : ℤ
. 5. i≤0
. 6. 0<i
. ⊢  (Case of a.as; nil → nil ; a'.as' → a'.as'\[i-1]) = as  by Arith
END
```