```
auto_maction  THM

⊢  ∀Auto:Automata(Alph;St), l:Alph*.
|  (Result(Auto)l) = (Action(Auto):l←InitialState(Auto))  by UnivCD
|
1. Alph : Type
2. St : Type
3. Auto : Automata(Alph;St)
4. l : Alph*
⊢  (Result(Auto)l) = (Action(Auto):l←InitialState(Auto))
| by ListInd 4 THEN RecUnfold ‘compute_list‘ 0
|    THEN
|    RecUnfold ‘maction‘ 0
|    THEN
|    Reduce 0
|
|\
| ⊢  InitialState(Auto) = InitialState(Auto)  by Auto
|
.\
. 5. u : Alph
. 6. v : Alph*
. 7. (Result(Auto)v) = (Action(Auto):v←InitialState(Auto))
. ⊢  δAuto((Result(Auto)v),u)
.    =
.    δAuto((Action(Auto):v←InitialState(Auto)),u)  by RWH (HypC 7) 0
END
```