```
rel_vars_addprime  THM

⊢  ∀r:rel(). rel_primed_vars((r)') = rel_vars(r)
| by Unfolds ``rel_addprime rel_primed_vars rel_vars`` 0

|    THEN Reduce 0
THEN Auto
|
1. r : rel()
⊢  reduce(λt,vs. term_primed_vars(t) @ vs;nil;map(λt.(t)';r.args))
   =
   reduce(λt,vs. term_vars(t) @ vs;nil;r.args)
  by D 1 THEN ListInd 2 THEN All Reduce  THEN

     Try (Complete Auto) THEN
Try (EqCD THEN Auto) THEN

     Try (InstLemma `term_vars_addprime` [u] THEN Auto

          THEN HypSubst (-1) 0 THEN Auto)
END
```