New commands

A restricted proof language

The grammar (a bit simplified)

```
BY ... (WITH ...) ncs
 PROVE FORM nc MYIN nc
 BYABSURD HYPNAME nc
 SET EQUAL nc
 LABEL HYPNAME
 DEDUCE FORM nc
 TRIVIAL
 meta
meta
 LET CST meta
 SEARCH VAR meta
 ASSUME FORM meta
 SHOW FORM nc SHOWN
 meta MYTHEN meta
 PBEGIN meta PEND
 PROOF nc ENDPROOF
```

The interpretation

BY ... (WITH ...) given as hints to the prover PROVE FORM: the (valid) cut rule DEDUCE FORM: FORM is proved TRIVIAL: the current goal is proved LET CST: a new constant added SEARCH VAR: a new variable added SHOW FORM: FORM implies the current goal THEN: a new premiss for the rule PBEGIN (...) PEND: parenthesis PROOF (...) ENDPROOF: proof of the current premiss

The justification

- For each rule a formula is computed that justifies it
 - Share variables as much as possible
 - If no goal has changed, don't use the goal formula in the formula
- Formulas given with BY and WITH if not hypothesis
 - Are first proved
 - Are used as hints for the prover
 - Are forgotten in the next goals