



PVVV

PVS Overview

Automate everything that is decidable :

- Propositional calculus
- Equality
- Linear arithmetic
- Function updates
- Finite-state model checking

Leave the human free to concentrate on the steps that require

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The PVS Language

Specification language

- Highly expressive

The PVS Language

The PVS Language

PVS specifications are organized into

- Parameterized theories
 - Assumptions
 - Definitions
 - Axioms
 - Theorems

PVS expressions provide

Applications of PVS

- requirements ana

A Comparison of PVS and Isabelle/HOL

The Proof Manager

PVS

- tree representation
- easy to see all branches of proof

Isabelle

- does not give elaborate proof support
- not so easy to see how “deep” or in which branch one is in a proof.

