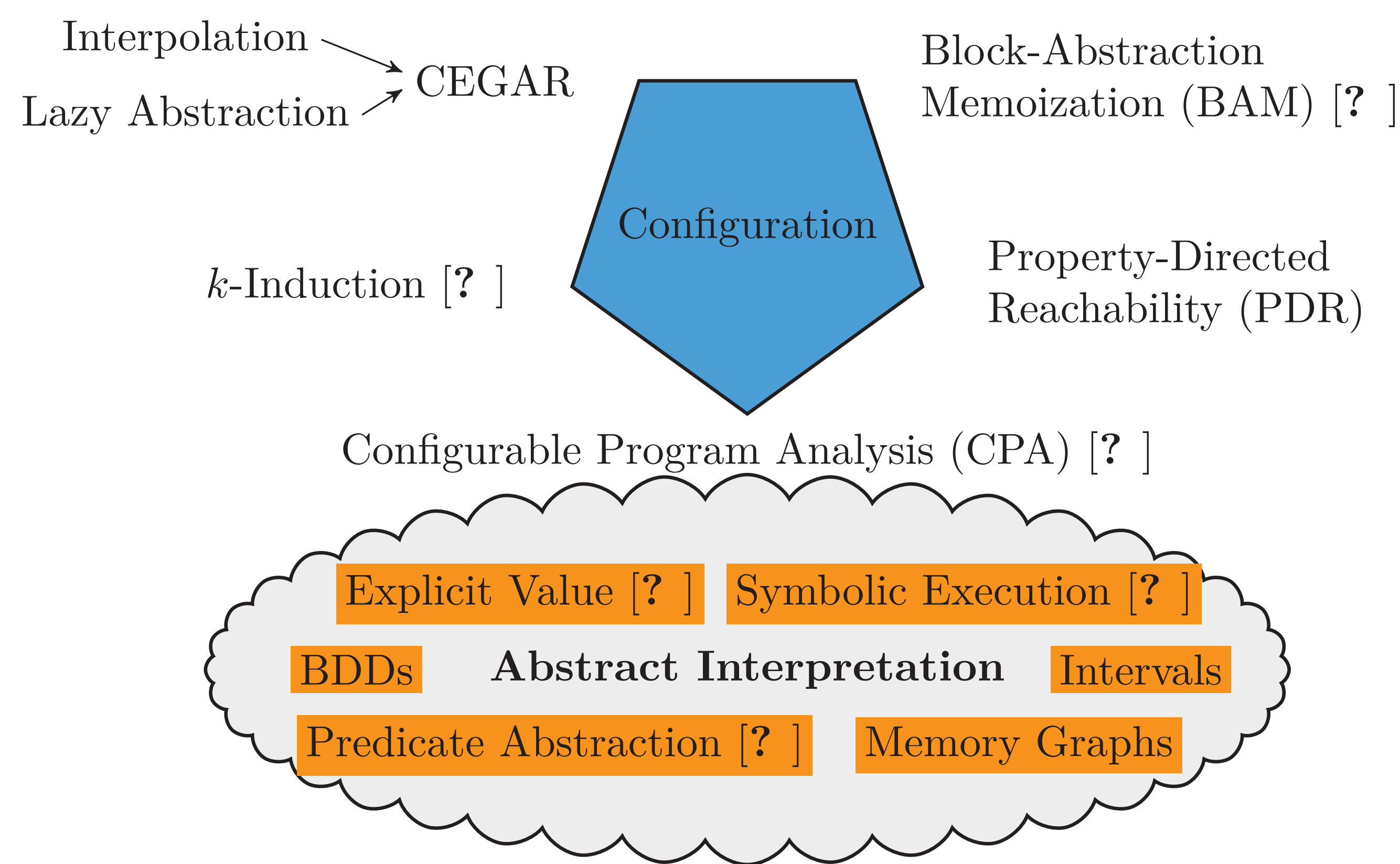


Daniel Baier, Thomas Bunk, Po-Chun Chien, Matthias Kettl, Nian-Ze Lee, Martin Spiessl, Henrik Wachowitz, and Philipp Wendler

OVERVIEW

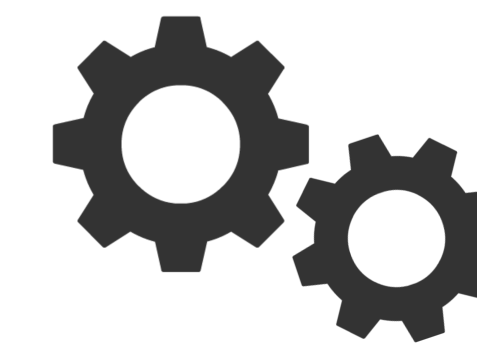


CPACHECKER is a modern framework for building software-verification analyses from well-known concepts that match the user's requirements.



cpachecker.sosy-lab.org

CONFIGURATION



The CPACHECKER configuration used in SV-COMP '23 (`-svcomp23`) is

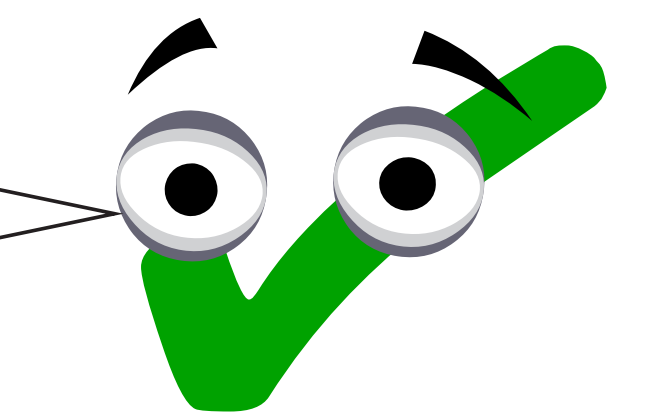
- optimized for checking a wide range of properties,
- an effective approach for solving a heterogeneous set of verification tasks, and
- based on several verification approaches, from reachability analysis to synthesized ranking functions.

CONTRIBUTORS

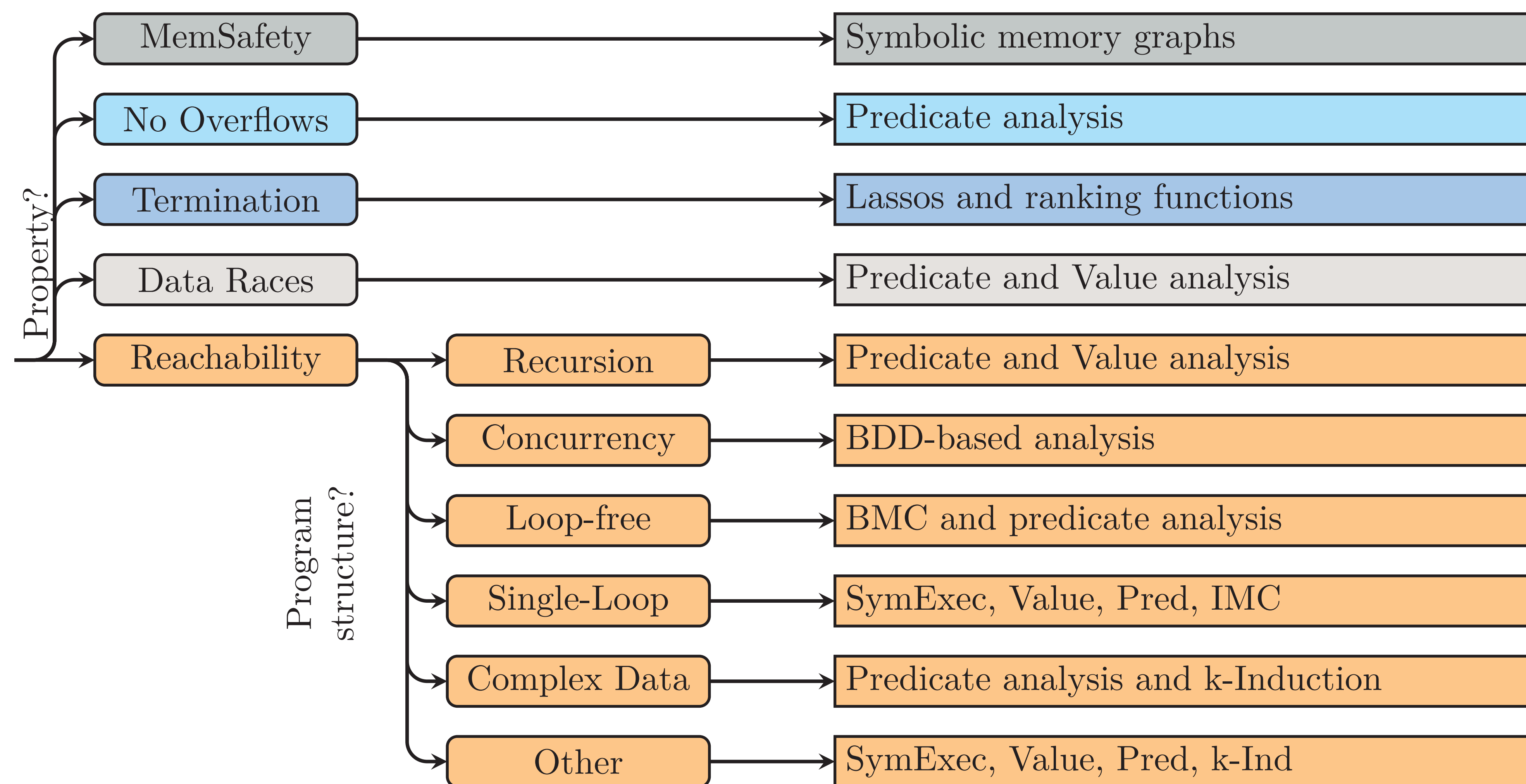
CPACHECKER is an open-source project, developed by members of Dirk Beyer's Software Systems Lab at LMU Munich, and is used and extended by associates from

- Universities of Darmstadt, Oldenburg, Paderborn, Passau, and Vienna,
- VERIMAG in Grenoble,
- the Institute for System Programming of the Russian Academy of Sciences, and
- several other universities and institutes.

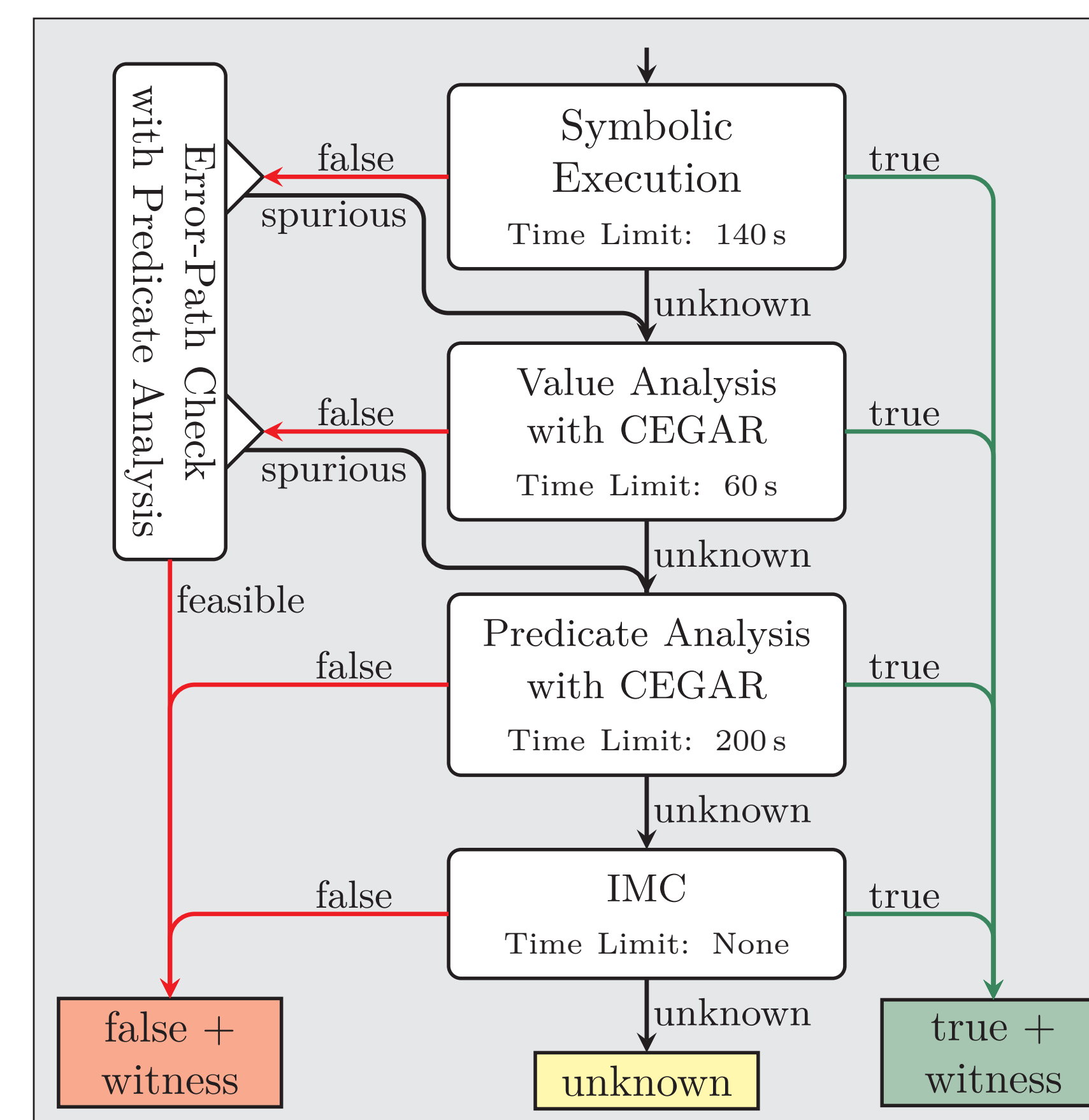
We thank all contributors for their work on CPACHECKER.



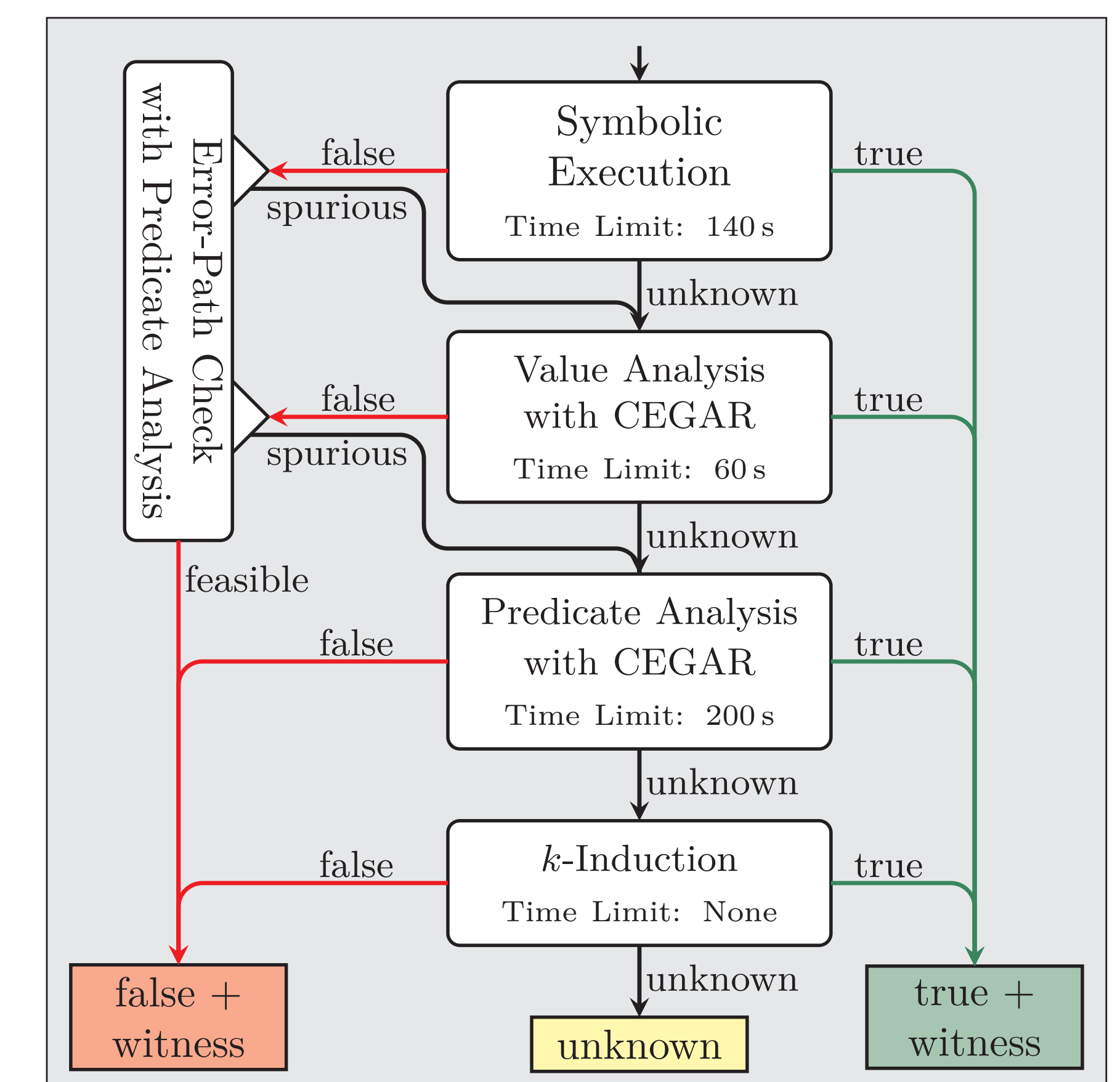
VERIFICATION STRATEGY FOR SV-COMP '23



SYMEXEC, VALUE, PRED, IMC



SYMEXEC, VALUE, PRED, K-IND



REFERENCES