

# CPA

(CPA-SEQ)

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# Achievements in SV-COMP'19

- ▶ One medal in each C category
- ▶ Winner of both overall categories

Gold  
2

Silver  
2

Bronze  
4

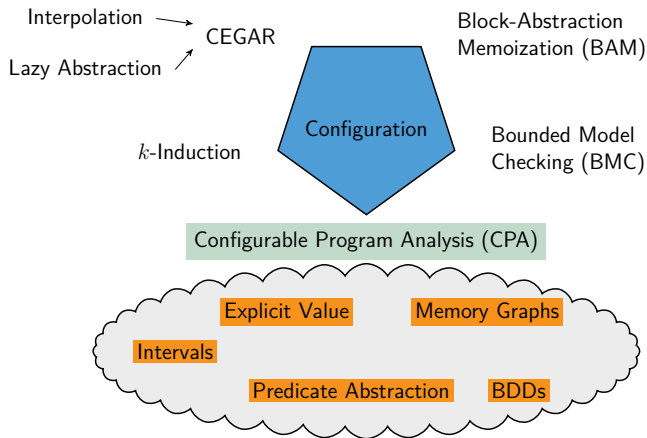
# The Verification Tool CPACHECKER

- ▶ Extensible framework for static software analysis
- ▶ Based on the CPA concept
- ▶ Used for C programs, but other front ends exist
  
- ▶ Written in Java
- ▶ Open source
- ▶ 89 contributors



<https://cpachecker.sosy-lab.org>

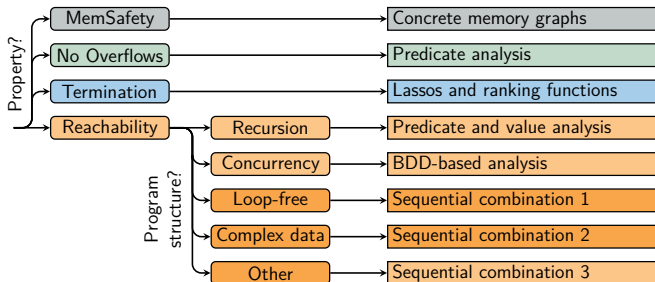
# Overview of Approaches



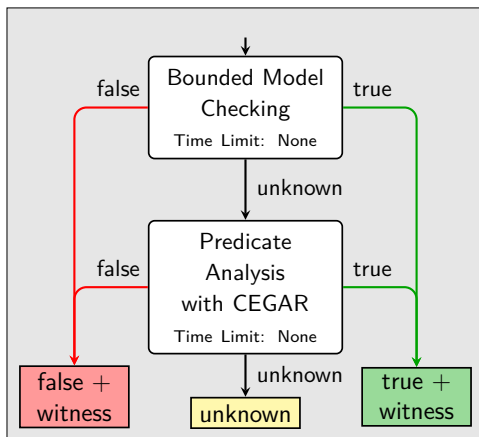
# CPA-SEQ Configuration in SV-COMP'19

Strategy selection based on

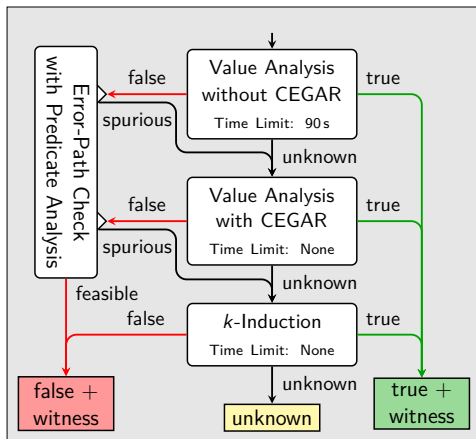
- ▶ properties
- ▶ program structure



# Sequential Combination 1



# Sequential Combination 2



# Sequential Combination 3

