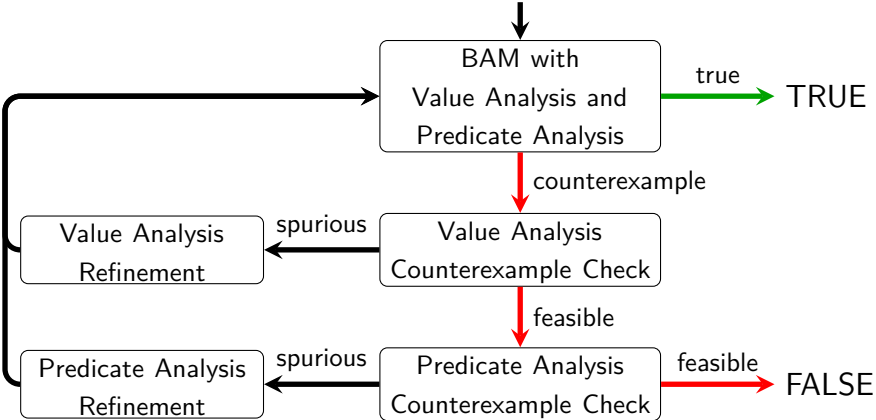# CPAchecker-BAM

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CPAchecker-BAM

- **Block Abstraction Memoization**:
  divides a program into blocks (functions, loops),
  stores the abstraction for each block in a cache,
  reuses cached abstractions whenever possible

- **Value Analysis**:
  tracks simple assignments

- **Predicate Analysis**:
  uses predicates from interpolants

CPACHECKER-BAM

CPAchecker-BAM

- ▶ SV-COMP'12: BAM + Predicate Analysis

- ▶ New: Value Analysis supports BAM
- ▶ New: BAM with an extension for recursion