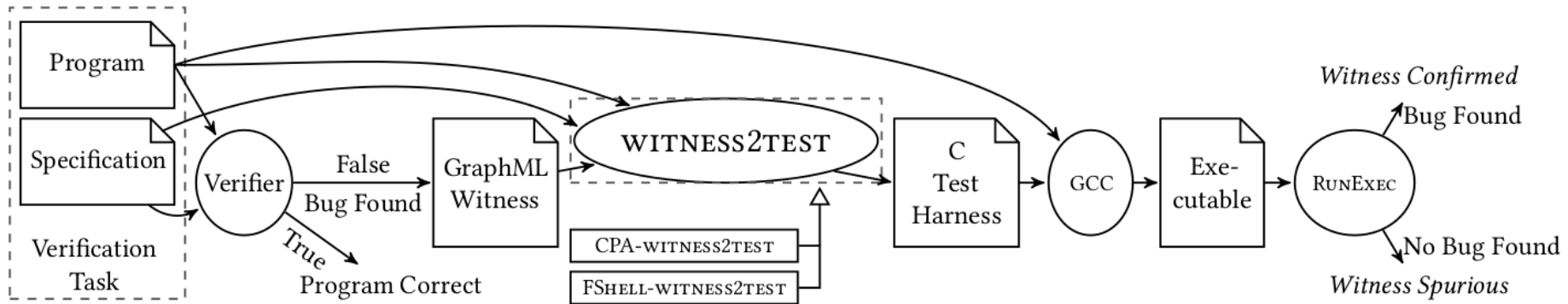


Work in Progress: Execution-Based Witness-Validation

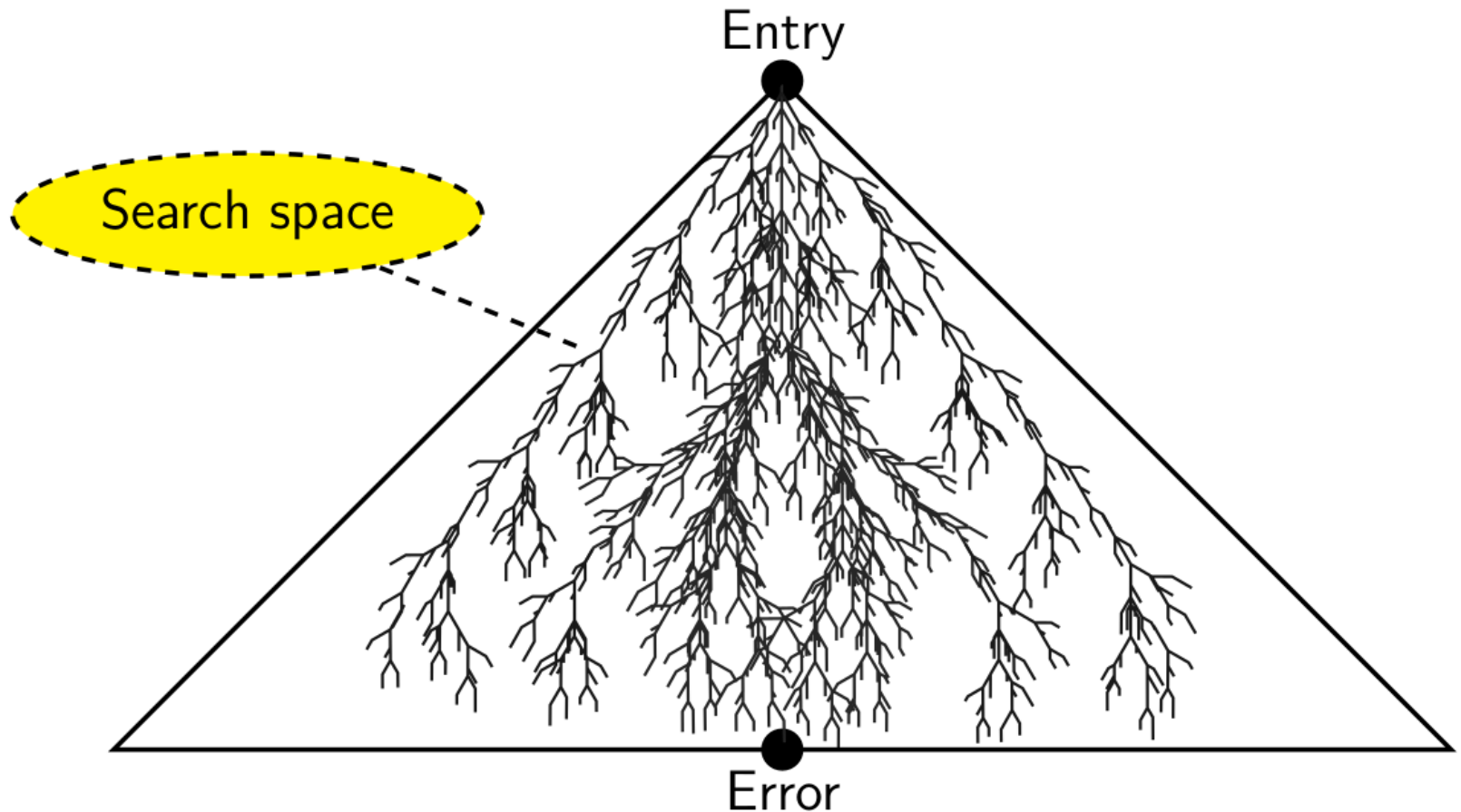
Dirk Beyer



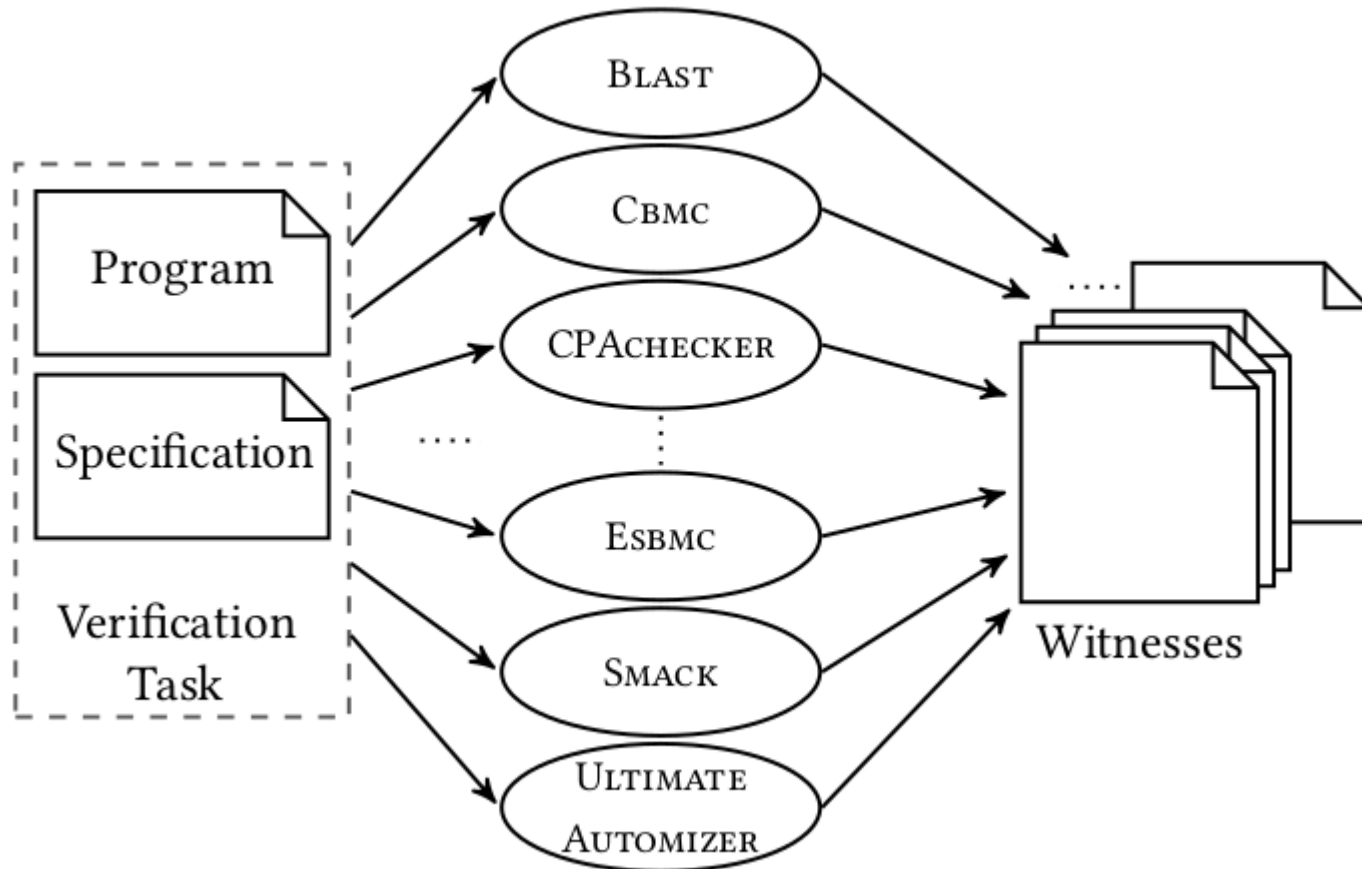
Practical Impact: Get Tests from Verification Tools



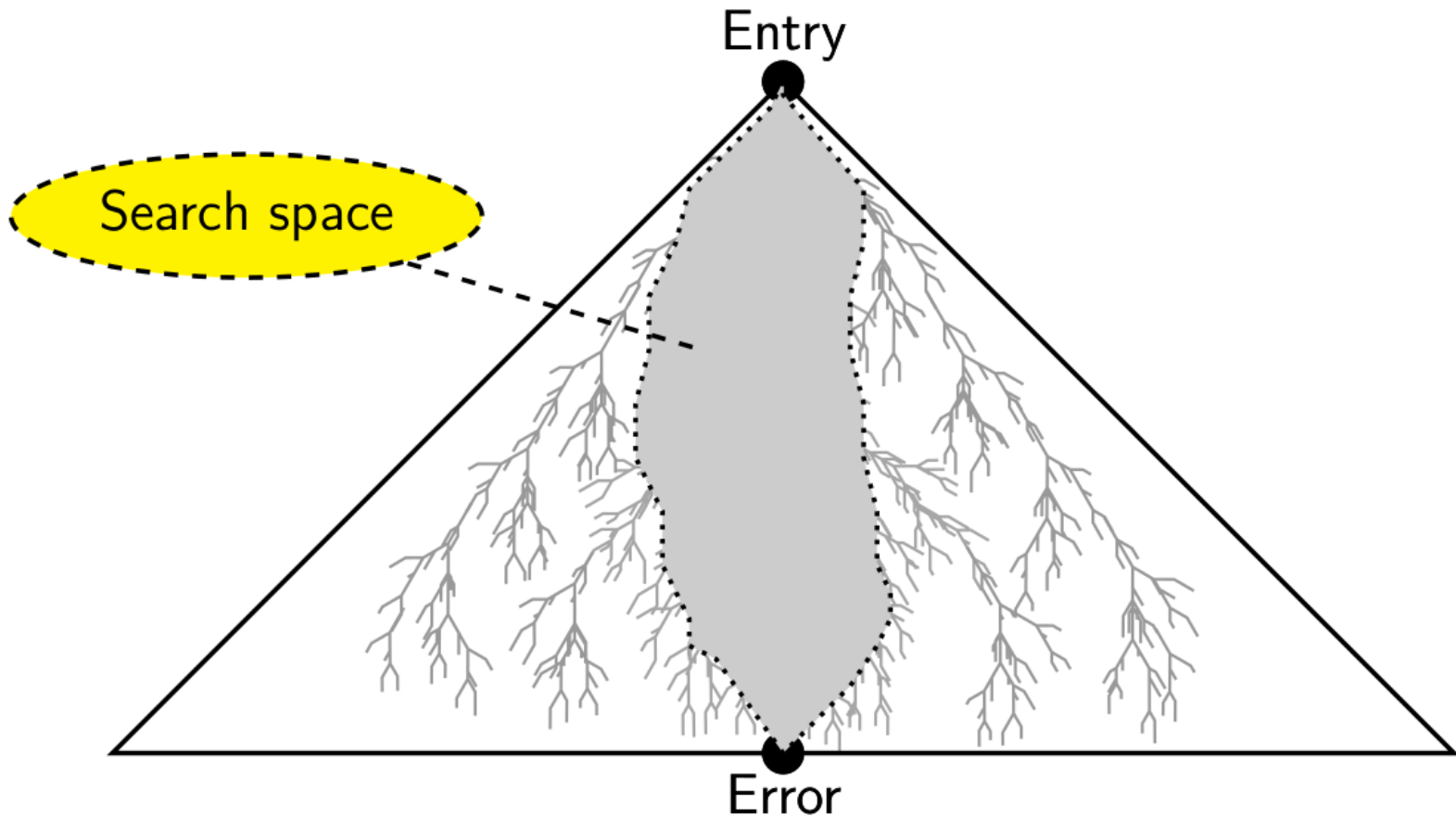
Search-Space Reduction for Stepwise Testification



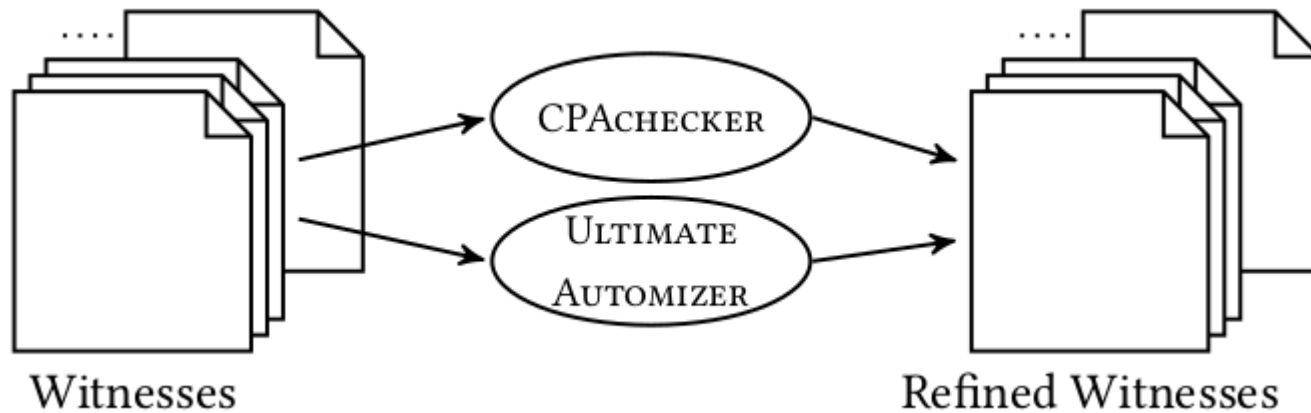
Produce Witnesses



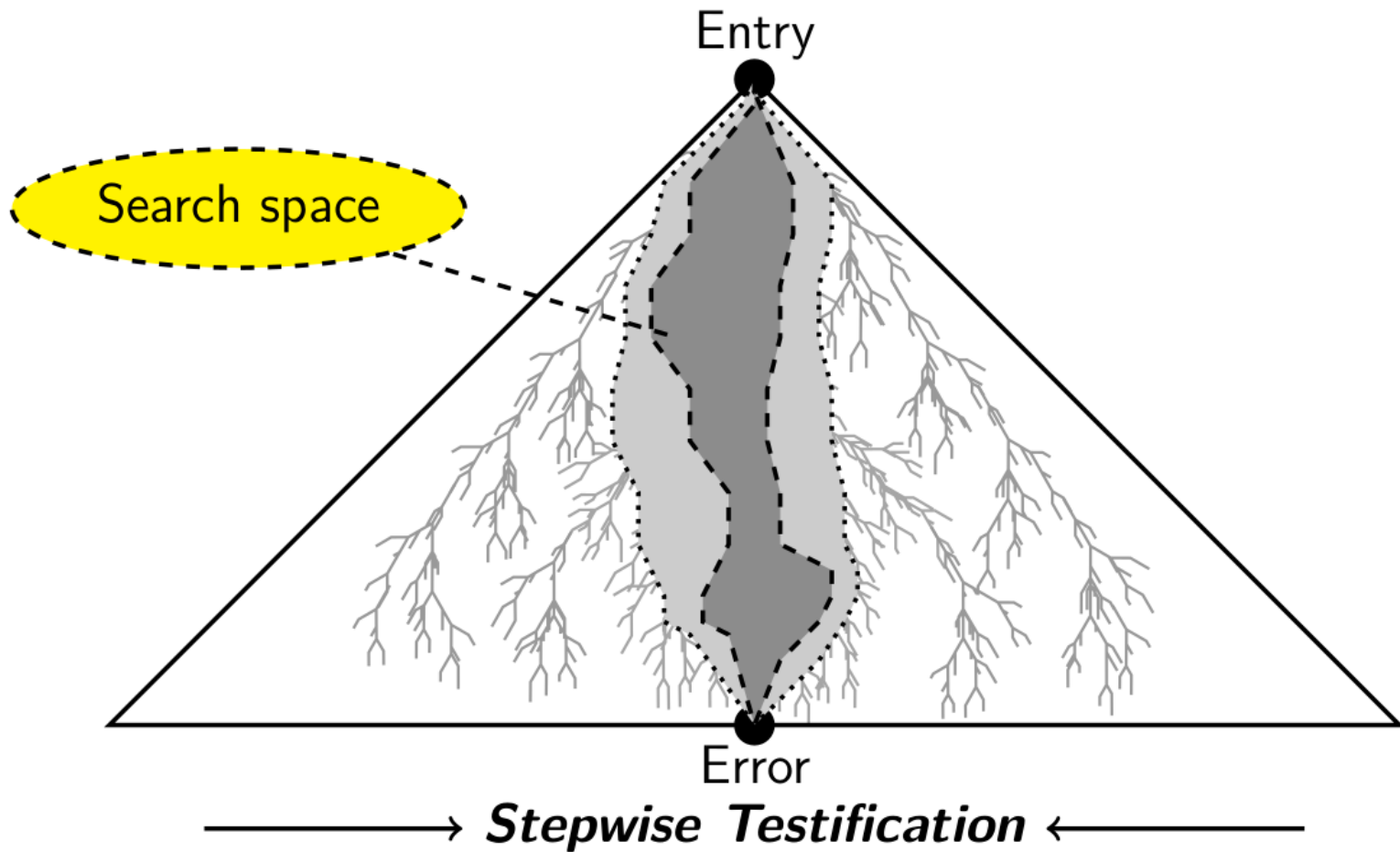
Search-Space Reduction for Stepwise Testification



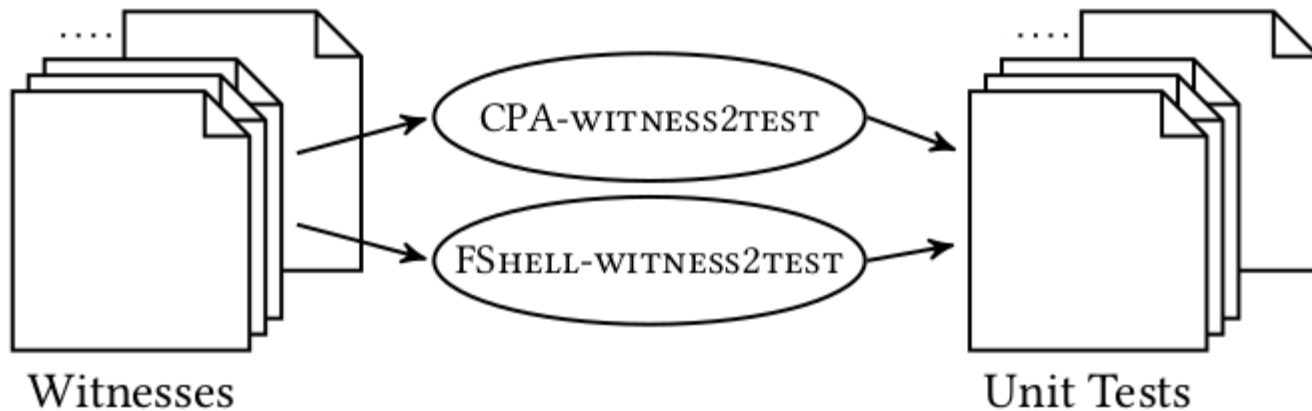
Refine Witnesses



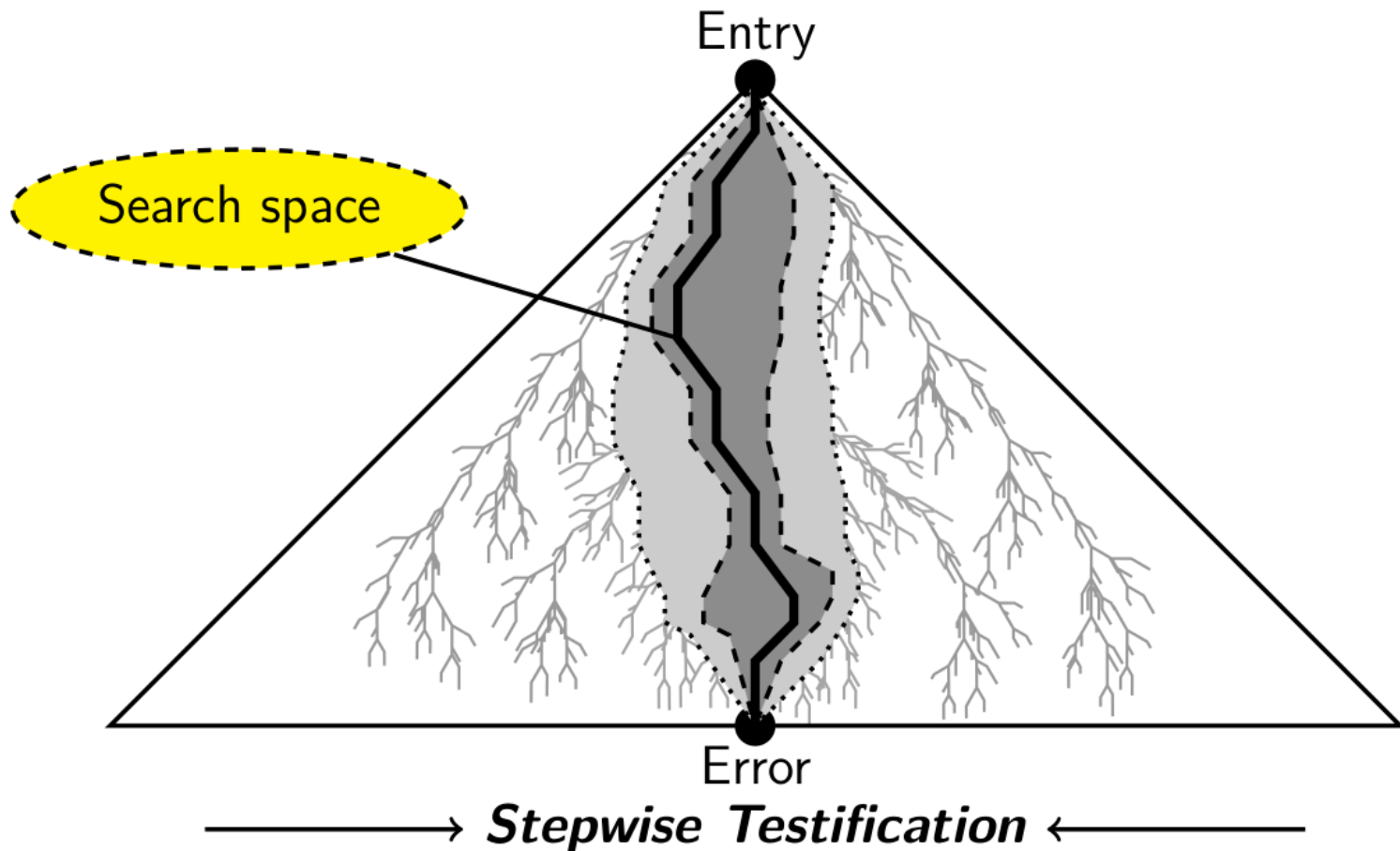
Search-Space Reduction for Stepwise Testification



Produce Unit Tests From Witnesses



Search-Space Reduction for Stepwise Testification



Conclusion

- Turn outcome of verification tools into objects that the developers can deal with
- Imagine a tool-independent format for test cases
- Complement test suites with test cases from verification tools