



The Pointer Assertion Logic Engine

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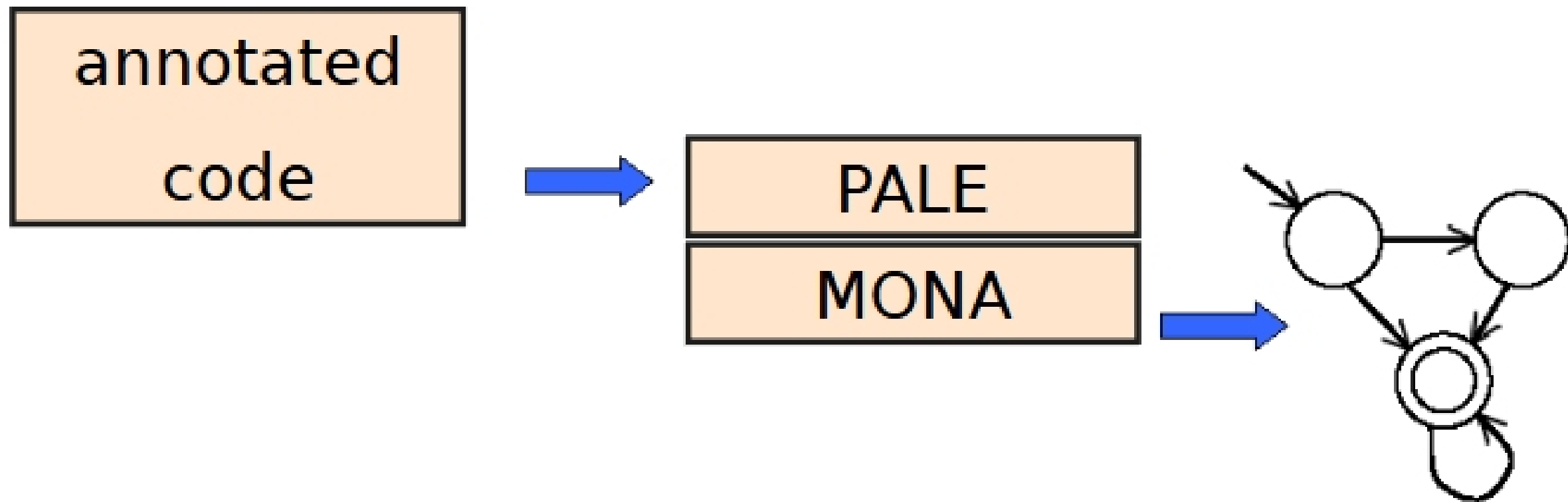
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Motivation

- Finding bugs 😊
- Fixing them
 - Providing counterexamples
- Want sound
 - Construct FSM
 - Use for safety-critical data types
- Help optimization

The process



- PALE: Pointer Assertion Logic Engine tool
- MONA: MONAdic second order logic engine
- Result:
 - If ok → Claim sound
 - If not → Counterexample