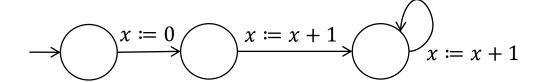
Learn Your Program

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Goal: a synthesis framework for first-order LTL formulas

Spec:
$$(x = 0) \land Globally((x = 0) \rightarrow Finally(x > 0))$$

Program:



- 1: x := 0
- 2: x := x+1
- 3: while (true)
- 4: x := x+1



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Goal: a synthesis framework for first-order LTL formulas

- Infere program states: symbolic automata learning
- Infere program statements: from spec & using abduction

