

# What is model checking?

- **Model checking** is an automatic formal model-based verification technique that explores **all states** of system executions.

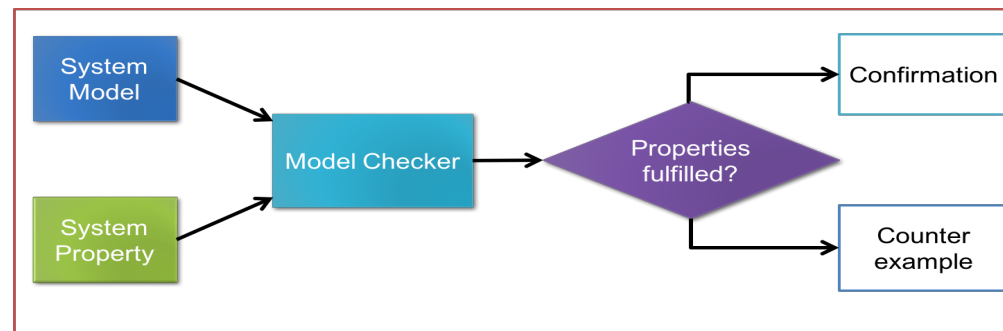


Figure 1. Model checking

- **Coffee vending machine example:**

