

What is probabilistic model checking?

- **Probabilistic model checking** is a formal verification technique for modelling and analysis the correctness and performance of systems that exhibit probabilistic behavior, in particular **transient properties**.
- It involves the systematic analysis of a probabilistic model, typically a variant of a **Markov chain**.

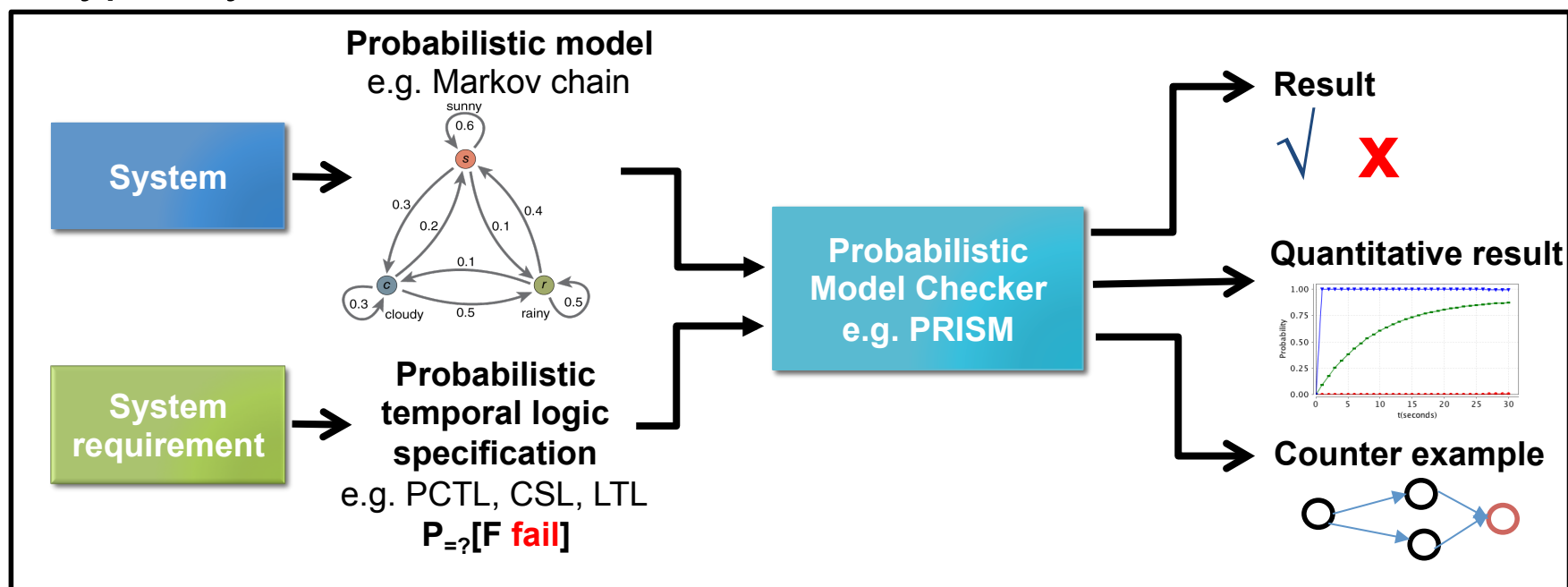


Figure 2. Probabilistic model checking