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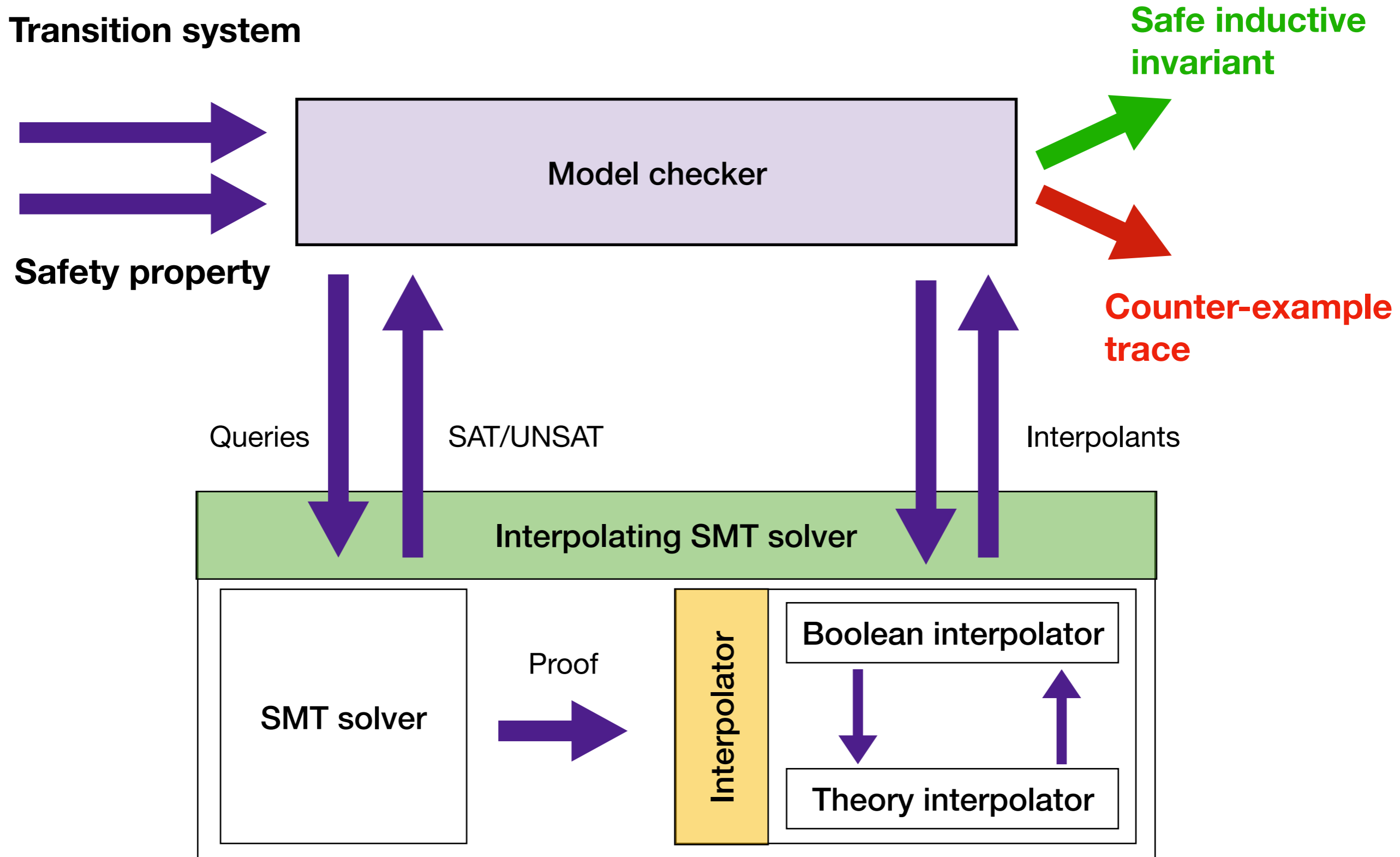
Opening the Black Box: Interpolation in SMT-based Model Checking

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Interpolation-based model checking using SMT



Tighter cooperation

**Smart
Model Checker**

- **Chooses appropriate interpolation algorithm**
- **Provides domain knowledge**

**Flexible
Interpolating
SMT solver**

- **Offers rich variety of interpolation algorithms**
- **Can use external guidance**