Yices-ismt



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- New entrant to SMT-COMP, participating in QF_NIA single query track this year.
- A wrapper solver: Yices2 + ismt.
- ☐ ismt: Preprocessor + "The Three Musketeers".
 - ➤ Decider: decide abstraction assignment → Interval Assignment.
 - ➤ Searcher: search in the given space → Bit-Blasting.
 - **Resolver**: resolve conflict from failure \rightarrow Failed Interval Lemma ψ .
- **□** Yices-ismt: Yices2(ϕ) \rightarrow ismt (ϕ) \rightarrow Yices ($\phi \land \psi$).
 - $\triangleright \psi$ rule out failed space.
- https://github.com/MRVAPOR/Yices-ismt

Dependencies

- Yices 2.6.2
- Libpoly v0.1,11
- CaDiCal 1.5.2