Implementation of satisfiability algorithms of non-Fregean logic SCI $\,$

Adrian Siwiec

15 kwietnia 2024

- 1 Sentential logic and the Fregean axiom
- 2 SCI
- 2.1 ...
- 2.2 Axiomatization of SCI
- 3 Satisfiability in SCI
- 3.1 SCI is decidable
- 3.2 Decision procedures
- 3.2.1 T decision procedure
- 3.2.2 T* decision procedure
- 4 Implementation
- 4.1 Data structures
- 4.2 Optimizations
- 5 Comparison of T and T* systems
- 5.1 Size of produced proof trees
- 5.2 Time complexity
- 5.3 Real time