

SINNminisat

Takeru Yasumoto
Kyushu University, Japan
yasumoto.kyushu@gmail.com

Takumi Okugawa
Kyushu University, Japan
okugawa.takumi@gmail.com

I. INTRODUCTION

SINNminisat is based on MiniSat2.2.0[1]. The SINNminisat system employs TrueLBD which is a kind of LBD and Aggressive Reduce Database.

II. MAIN TECHNIQUES

A. *True LBD*

True LBD is a kind of LBD[?]. True LBD is different from LBD in the manner of updating its value. It ignores literals assigned at level 0.

B. *Aggressive Reduce Database*

Aggressive Reduce Database is a learnt clause management method. This method is implemented in GlueMiniSat2.2.5[3].

ACKNOWLEDGMENT

I wish to express my gratitude to Mr.Hasegawa, Mr.Fujita, Mr.Koshimura for valuable advices and comments.

REFERENCES

- [1] Niklas Eén and Niklas Sörensson. An extensible SAT-solver. In SAT 2003, 2003.
- [2] G. Audemard and L. Simon. Predicting learnt clauses quality in modern sat solvers. In proceedings of IJCAI, 2009.
- [3] Hidetomo NABESHIMA, Koji IWANUMA, KAtsumi INOUE. GLUEM-INISAT2.2.5 , SAT 2011 competition System Description.