A decision diagram-based solver for the independent set reconfiguration problem

Jun Kawahara[1] and Hiroki Yamazaki[1]

[1]Kyoto University

1   Engine: Core Solver or Algorithm

Our solver is based on zero-suppressed binary decision diagrams [1] and the graphillion library [2].

References

[1] S. Minato. Zero-suppressed BDDs for set manipulation in combinatorial problems. In *the 30th ACM/IEEE design automation conference*, pages 272–277, 1993. `https://doi.org/10.1145/157485.164890`

[2] T. Inoue, H. Iwashita, J. Kawahara, S. Minato, Graphillion: software library for very large sets of labeled graphs, International Journal on Software Tools for Technology Transfer 18 (1) 57–66, 2016. `https://doi.org/10.1007/s10009-014-0352-z`