

Bachelor Thesis

Visualizing Dynamic Programming on Tree Decompositions

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Abstract

The present Bachelor thesis is about a practical and lightweight implementation of visualizing dynamic programming on tree decompositions. I created the python-package `tdvisu` for the purpose of visualizing, teaching and analyzing the solving process of MSOL-problems using dynamic programming. As reference implementations of dynamic programming on tree decompositions the projects GPUSAT and dpdb were chosen.

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References