

to-val-no-mprec

to-inval-no-mprec 1103

11264

- A compound task is a non-terminal symbol
- A method **without** preconditions is a production rule

Idea: We need to check whether the precondition of each method is satisfied when constructing the CYK table.

The benchmark sets are from the IPC 2020 on HTN Planning. We compared our approach with the parsing-based plan verification approach, the planning-based approach, and the SAT-based approach. We ran the experiments on the benchmark sets which respectively consist of planning problems with and without method preconditions.

900 (81.6%)

7889 (70.04%)

915 (82.96%)

1036 (9.20%)**9946** (88.30%) 684(62.01%)**981** (88.94%)