

# Heuristics for Arc Consistency Algorithms

## Project Description

Arc-consistency algorithms are the workhorse of backtrackers that Maintain Arc-Consistency (MAC). Currently there is a trend to keep arc-consistency algorithms optimal w.r.t. their worst-case time-complexity. This requires a detailed bookkeeping and a large space-complexity. We propose to improve the average time-complexity of arc-consistency algorithms that are not worst-case optimal by improving heuristics that require only little bookkeeping. This will save space and time.

## Project Coordinator

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