

N-Queens Problem

Artificial Intelligence 2018

Team:

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Introduction

- We implemented two search methods.
- One local search → Simulated Annealing.
- One CSP → Min-Conflicts.
- Show results on board images.
- Compare two methods.

Simulated Annealing

- Why we choose it?
- What is it?
- How it's work?

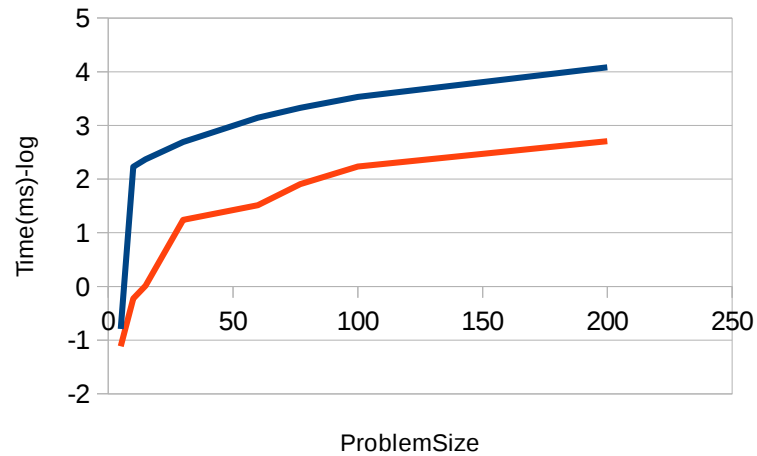
Min - Conflicts

- Why we choose it?
- How it works?

Benchmarks 1/2

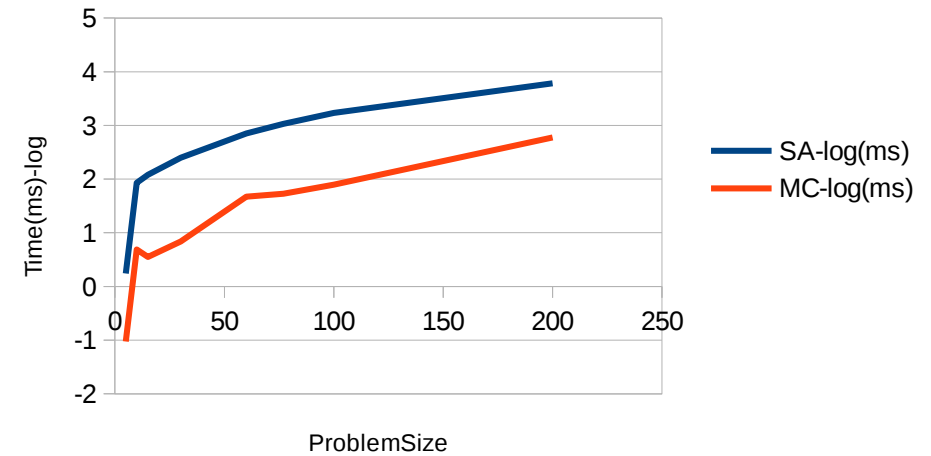
RunTime

MaxIterations 1000



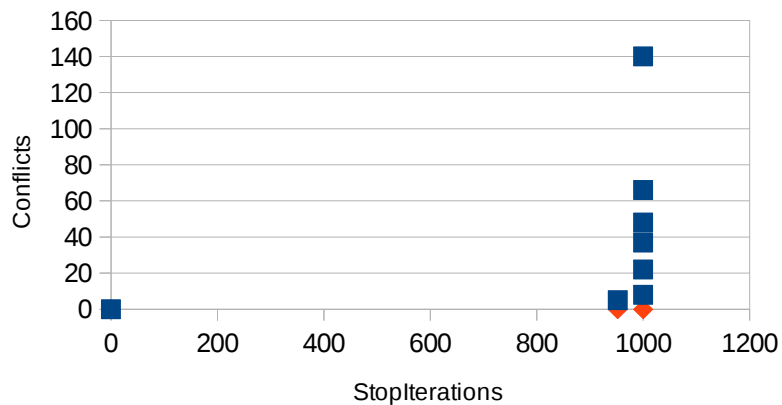
RunTime-500 iterations

sub-title



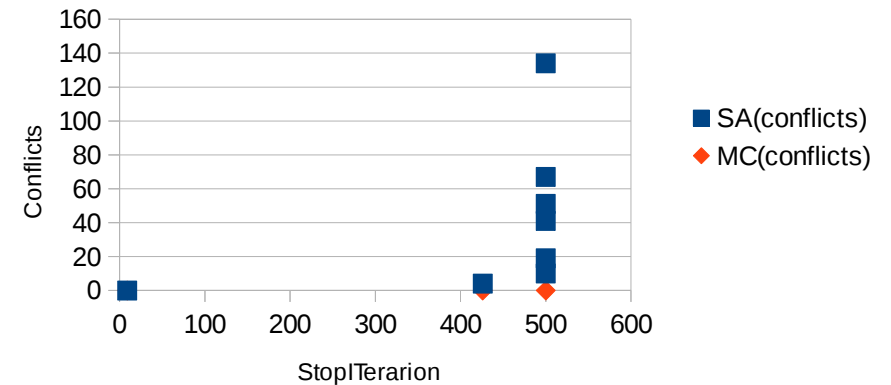
Conflicts-StopIterations

Max Iterations 1000



Conflicts-Stop Iteration

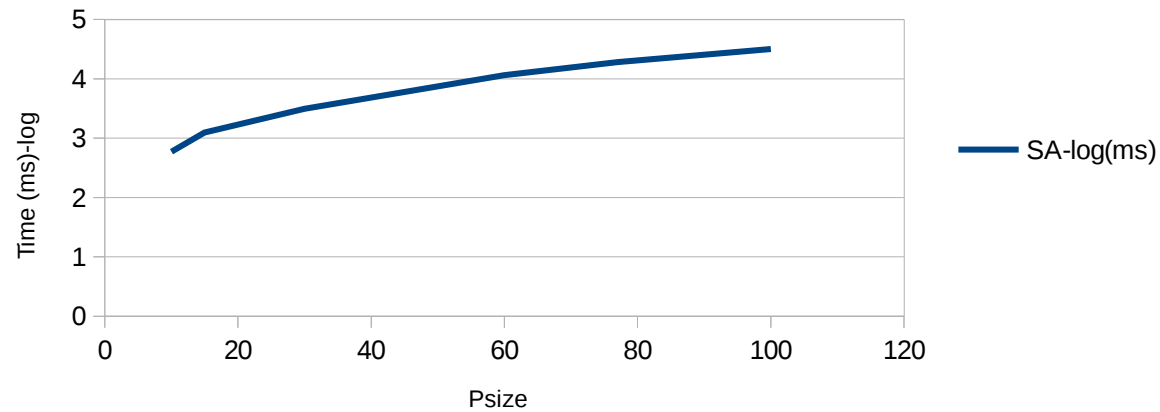
500 max iterations



Benchmarks 2/2

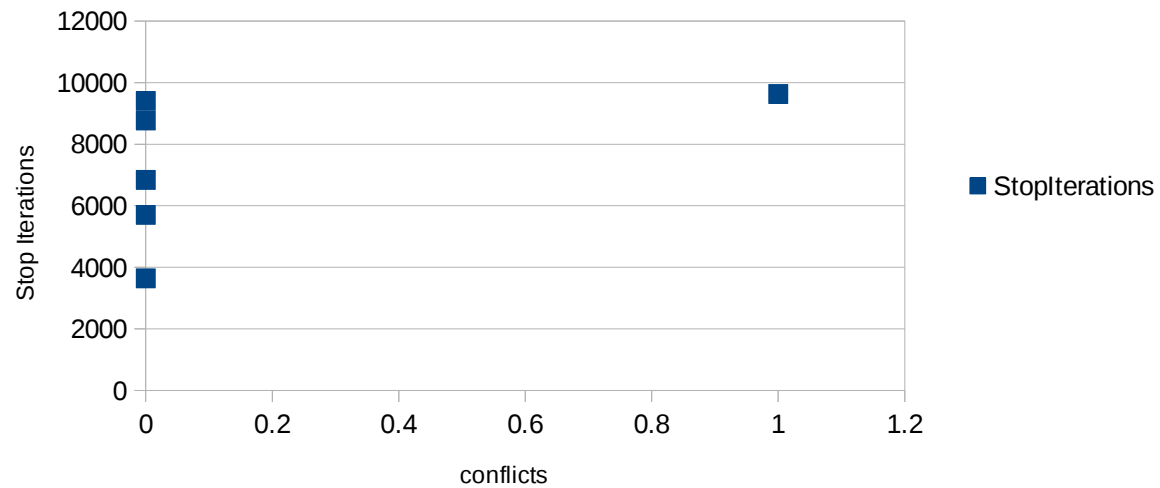
RunTime SA

Max Iterations 10000 & T=100



Stop Iterations & Conflicts

sub-title





THAT'S ALL,
FOLKS!

... OH, AND I
KILLED A
TALKING PIG.