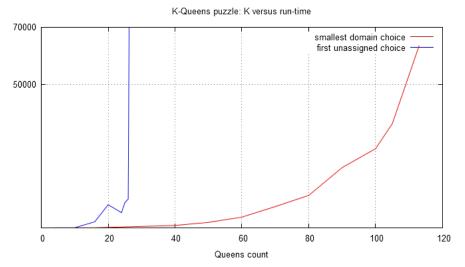
Backtracking - Report

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1 Description of implementation

We implemented algoritm solving the K-Queens puzzle with the use of backtracking search. In our implementation the unassigned variable is selected based on size of its domain by default: always the variable with smallest domain is selected. This approach makes the algorithm to run significantly faster than the version where is the unassigned variable picked based on its order in array of variables.



The figure above plots performance results of both approaches. Number of queens if shown on x-axis and run time in millisecons on y-axis. Difference between approaches is apparent.

2	Solution	for	8-Queens	puzzle
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3 Solution for 16-Queens puzzle