

Solving a sudoku

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1 Ideas

Hello world

Algorithm 1 SolveSudoku : Main function

Require: Sudoku initial_sudoku

queue := SudokuQueue(initial_sudoku)

while True **do**

current_sudoku := queue.pop()

(success, solution_candidate) := DirectSolve(current_sudoku)

if success **then break**

queue.MakeAChoiceAndAdd(solution_candidate)

end while

return solution_candidate

Algorithm 2 DirectSolve : Choice free sudoku solver

Require: sudoku

while True **do**

if not sudoku.IsolateAndClean() **then**

return sudoku.isSolved(), sudoku

end if

end while

Algorithm 3 Sudoku.IsolateAndClean

return
