SUDOKU PROJECT REPORT

How to run the program:

1. This program uses g++ \*.cpp to compile the code
2. In order to run the code with a specific population size and number of generations:

./a.out populationSize numberOfGenerations

1. The program will then ask for the \*.txt file which the sudoku test cases are in
2. The program will then read from the given text file and output the sudokus for each generation and fitness number for each of them.

Calendar

Description automatically generatedOutput for 2 test cases:

1. A screenshot of a computer

   Description automatically generated with medium confidence

2.

The solutions tend to take lots of generations to come up with a reliable solution, so I wouldn’t say it is not very efficient. Since there was short period of time to complete the project, coming up with more efficient solution was hard, so sticking with what I have, this puzzle is able solve the problem within 100-500 generations, meaning it would get 0 fitness score.