**README**

**Compile:**

Type command line in terminal:

javac Assignment1.java

**Run:**

Type command line in terminal:

java Assignment1 + (path of the input file)

Eg: java Assignment1 Users/Min/AI/input.txt

**Summary:**

As the number of task increases, the fraction of examples where a solution exists decreases.

As the number of task increases, the states number increases as exponential growth.