Yikai Wang

To Run the Program:

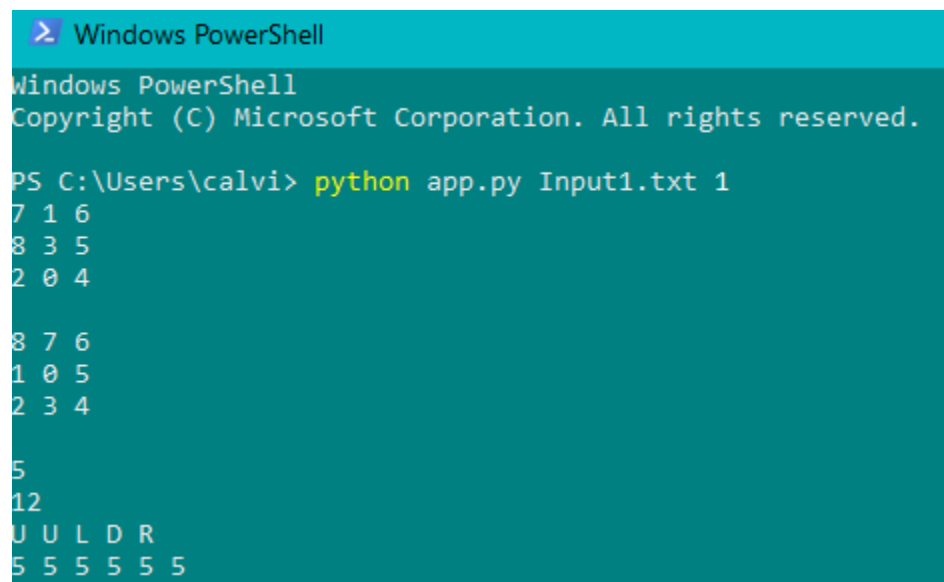To run the program, make sure the computer has Python 3 installed and can run Python from the command prompt.

Open up the command prompt (Terminal or Powershell are also fine) in the directory of the python file.

Make sure the input file is also in the same directory as the python file.

Run the following command:

python app.py <input file> <1 for sum of Manhattan distances or 2 for with linear conflicts>

Example:

The program can also just be run with:

python app.py

In this case, you will be prompted to enter the filename of the input and to select the heuristic method.

Example:

```
PS C:\Users\calvi> python app.py
Please enter the name of input file:
Input1.txt
Select:
 1: Sum of Manhattan distances
 2: Sum of Manhattan distances + 2 x # linear conflicts
1

7 1 6
8 3 5
2 0 4

8 7 6
1 0 5
2 3 4

5
12
U U L D R
5 5 5 5 5 5
```