CS 411 - Artificial Intelligence I
Fall 2019
Assignment 5
Department of Computer Science, University of Illinois at Chicago

Write a program which performs iterative deepening depth first search to find the solution to any given board position for 15 puzzle

Input
The input should be given in the form of sequence of numbered tiles for initial board configuration, '0' indicating the empty space (see example below)

Output

1. Moves
2. Number of Nodes expanded
3. Time Taken
4. Memory Used

Submission
Please submit a zip file with filename <netid>_iddfs.zip including following files:
● Source Code
● Readme.txt including instruction to run the code

Programming Language
You can choose from C++, Java, Python or Julia

Rubric
Implement Iterative deepening depth first search => 10
Print the moves to reach the solution => 3
Print number of nodes expanded => 3
Print total memory usage => 3
Print total time taken => 3
Coding style, comments, readme instruction => 3