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{\tt manhattanTrace.pdf}
Enter the second row. Use space or tabs between numbers. 4 0 6 \,
Enter the third row. Use space or tabs between numbers.
7 5 8
Your puzzle is
1 2 3
4 0 6
7 5 8
 Enter your choice of algorithm
1) Uniform Cost Search
2) A* with Misplaced Tile Heuristic
3) A* with Manhattan Distance Heuristic
Expanding state The best state to expand with a g(n) = 1 and h(n) = 4 is...
The best state to expand with a g(n) = 1 and h(n) = 4 is... 1 2 3 4 6 0 7 5 8
 The best state to expand with a g(n) = 1 and h(n) = 4 is...
1 0 3
4 2 6
7 5 8
The best state to expand with a g(n) = 1 and h(n) = 4 is... 1 2 3 45.6 6.7 0 8
 The best state to expand with a g(n) = 2 and h(n) = 6 is...
The best state to expand with a g(n) = 2 and h(n) = 6 is... 1 2 3 7 4 6 0 5 8
The best state to expand with a g(n) = 2 and h(n) = 4 is... 1 2 0 4 6 3 7 5 8
 The best state to expand with a g(n) = 2 and h(n) = 4 is... 1 2 3
4 6 8
7 5 0
The best state to expand with a g(n) = 2 and h(n) = 2 is... 1 2 3 4 5 6 0 7 8
 The best state to expand with a g(n) = 2 and h(n) = 2 is...
 To solve this problem the search algorithm expanded a total of 10 nodes. The maximum nodes in the queue at any one time was 7. The depth of the goal node was 2.

[05:12:59]aravbatra@Aravs-MacBook-Pro:~/Documents/2017-2018/CS170/8-Puzzle-Solver-$
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