Would you like to enter a puzzle to be solved? Y or N?
N
Puzzle to be solved:
1 0 3
4 2 6
7 5 8
1. Uniform Cost Search
2. Misplaced Tile
3. Euclidean Distance
4. Manhattan Distance
 Please enter the number of the heuristic would you like to use:
 3
The best state to expand with g(n) = 0 and h(n) = 0
1 0 3
4 2 6
7 5 8
Expanding this state.

The best state to expand with g(n) = 1 and h(n) = 2
1 2 3
4 0 6
7 5 8
Expanding this state.

The best state to expand with g(n) = 2 and h(n) = 1
1 2 3
4 5 6
7 0 8
Expanding this state.

Solution found!
1 2 3
4 5 6
7 8 0

Heuristic used: Euclidean Distance

To solve this problem the search algorithm expanded a total of 3 nodes.

The maximum number of nodes in the queue at any one time was: 6.

The depth of the goal node was: 3.