

Sample Two:

// Length 16

input> solve

Enter puzzle of format x x x x x x x

(you don't need to have spaces between)

enter> 632147850

Puzzle To Solve:

6 3 2

1 4 7

8 5 0

Solving...

Solved puzzle:

0 1 2

3 4 5

6 7 8

MANHATTAN DISTANCE

Time took to solve: 0.233404 ms

Total Solved Depth: 16 nodes

Search Cost: 302

Switching to misplaced and solving...

MISPLACED TILES

Time took to solve: 0.402944 ms

Total Solved Depth: 16 nodes

Search Cost: 689

input> show

step: 0

action taken: None

6 3 2
1 4 7
8 5 0

step: 1
action taken: Left

6 3 2
1 4 7
8 0 5

step: 2
action taken: Up

6 3 2
1 0 7
8 4 5

step: 3
action taken: Left

6 3 2
0 1 7
8 4 5

step: 4
action taken: Up

0 3 2
6 1 7
8 4 5

step: 5
action taken: Right

3 0 2
6 1 7
8 4 5

step: 6
action taken: Down

3 1 2

6 0 7
8 4 5

step: 7
action taken: Down

3 1 2
6 4 7
8 0 5

step: 8
action taken: Left

3 1 2
6 4 7
0 8 5

step: 9
action taken: Up

3 1 2
0 4 7
6 8 5

step: 10
action taken: Right

3 1 2
4 0 7
6 8 5

step: 11
action taken: Right

3 1 2
4 7 0
6 8 5

step: 12
action taken: Down

3 1 2
4 7 5

6 8 0

step: 13

action taken: Left

3 1 2

4 7 5

6 0 8

step: 14

action taken: Up

3 1 2

4 0 5

6 7 8

step: 15

action taken: Left

3 1 2

0 4 5

6 7 8

step: 16

action taken: Up

0 1 2

3 4 5

6 7 8

input>