

Sample One:

// Length of 27

input> solve

Enter puzzle of format x x x x x x x

(you don't need to have spaces between)

enter> 867 254 301

Puzzle To Solve:

8 6 7

2 5 4

3 0 1

Solving...

Solved puzzle:

0 1 2

3 4 5

6 7 8

MANHATTAN DISTANCE

Time took to solve: 9.24072 ms

Total Solved Depth: 27 nodes

Search Cost: 10003

Switching to misplaced and solving...

MISPLACED TILES

Time took to solve: 86.2863 ms

Total Solved Depth: 27 nodes

Search Cost: 83651

input> show

step: 0

action taken: None

8 6 7
2 5 4
3 0 1

step: 1
action taken: Up

8 6 7
2 0 4
3 5 1

step: 2
action taken: Right

8 6 7
2 4 0
3 5 1

step: 3
action taken: Down

8 6 7
2 4 1
3 5 0

step: 4
action taken: Left

8 6 7
2 4 1
3 0 5

step: 5
action taken: Up

8 6 7
2 0 1
3 4 5

step: 6
action taken: Up

8 0 7

2 6 1
3 4 5

step: 7
action taken: Left

0 8 7
2 6 1
3 4 5

step: 8
action taken: Down

2 8 7
0 6 1
3 4 5

step: 9
action taken: Down

2 8 7
3 6 1
0 4 5

step: 10
action taken: Right

2 8 7
3 6 1
4 0 5

step: 11
action taken: Up

2 8 7
3 0 1
4 6 5

step: 12
action taken: Up

2 0 7
3 8 1

4 6 5

step: 13

action taken: Left

0 2 7

3 8 1

4 6 5

step: 14

action taken: Down

3 2 7

0 8 1

4 6 5

step: 15

action taken: Down

3 2 7

4 8 1

0 6 5

step: 16

action taken: Right

3 2 7

4 8 1

6 0 5

step: 17

action taken: Up

3 2 7

4 0 1

6 8 5

step: 18

action taken: Right

3 2 7

4 1 0

6 8 5

step: 19
action taken: Up

3 2 0
4 1 7
6 8 5

step: 20
action taken: Left

3 0 2
4 1 7
6 8 5

step: 21
action taken: Down

3 1 2
4 0 7
6 8 5

step: 22
action taken: Right

3 1 2
4 7 0
6 8 5

step: 23
action taken: Down

3 1 2
4 7 5
6 8 0

step: 24
action taken: Left

3 1 2
4 7 5
6 0 8

step: 25
action taken: Up

3 1 2
4 0 5
6 7 8

step: 26
action taken: Left

3 1 2
0 4 5
6 7 8

step: 27
action taken: Up

0 1 2
3 4 5
6 7 8

input>