Sample Three:
// Length 20
input> solve
Enter puzzle of format x x x x x x x x
(you don't need to have spaces between)
enter> 450278316
Puzzle To Solve:

4 5 0
2 7 8
3 1 6

Solving...
Solved puzzle:

0 1 2
3 4 5
6 7 8
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
        MANHATTAN DISTANCE
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

Time took to solve: 0.892559 ms
Total Solved Depth: 20 nodes
Search Cost: 986

Switching to misplaced and solving...

-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
        MISPLACED TILES
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

Time took to solve: 3.66375 ms
Total Solved Depth: 20 nodes
Search Cost: 4146

input> show
step: 0
action taken: None

4 5 0
2 7 8
3 1 6

step: 1
action taken: Down

4 5 8
2 7 0
3 1 6

step: 2
action taken: Left

4 5 8
2 0 7
3 1 6

step: 3
action taken: Down

4 5 8
2 1 7
3 0 6

step: 4
action taken: Right

4 5 8
2 1 7
3 6 0

step: 5
action taken: Up

4 5 8
2 1 0
3 6 7

step: 6
action taken: Up

4 5 0

2 1 8
3 6 7

step: 7
action taken: Left

4 0 5
2 1 8
3 6 7

step: 8
action taken: Down

4 1 5
2 0 8
3 6 7

step: 9
action taken: Left

4 1 5
0 2 8
3 6 7

step: 10
action taken: Up

0 1 5
4 2 8
3 6 7

step: 11
action taken: Right

1 0 5
4 2 8
3 6 7

step: 12
action taken: Down

1 2 5
4 0 8

3 6 7

step: 13
action taken: Left

1 2 5
0 4 8
3 6 7

step: 14
action taken: Down

1 2 5
3 4 8
0 6 7

step: 15
action taken: Right

1 2 5
3 4 8
6 0 7

step: 16
action taken: Right

1 2 5
3 4 8
6 7 0

step: 17
action taken: Up

1 2 5
3 4 0
6 7 8

step: 18
action taken: Up

1 2 0
3 4 5
6 7 8

step: 19
action taken: Left

1 0 2
3 4 5
6 7 8

step: 20
action taken: Left

0 1 2
3 4 5
6 7 8

input> dump
```
+----------------------------------------------------------------------------+
| Depth | AVG Search Cost MDH | AVG Search Cost MTH | AVG tts MDH (ms) | AVG tts MTH (ms) |
+----------------------------------------------------------------------------+
|    20|          986(1)|         4146(1)|       0.892559|      3.66375|
+----------------------------------------------------------------------------+
```

input>