8 puzzle problem using BFS.

Input string : 087465132
Final Output state : 123456780

Program Output Screenshot

```
Solution Exists at Level 28 of the tree
123456780 at 28
123450786 at 27
120453786 at 26
102453786 at 25
152403786 at 24
152043786 at 23
152743086 at 22
152743806 at 21
152743860 at 20
152740863 at 19
150742863 at 18
105742863 at 17
145702863 at 16
145072863 at 15
045172863 at 14
405172863 at 13
475102863 at 12
475162803 at 11
475162083 at 10
475062183 at 9
475602183 at 8
475682103 at 7
475682130 at 6
475680132 at 5
470685132 at 4
407685132 at 3
487605132 at 2
487065132 at 1
087465132 at 0
```

8 Puzzle problem using limited DFS

Input state : 120453786
Final State: 123456780

Output screenshot

Solution not found!
Depth Limit Reached!
Node generated: 6
Unique Node generated: 10

8 Puzzle problem using DFS

Input State: 120453786
Final State: 123456780

Output

Solution found in 42 step(s)
Node generated: 34
Unique Node generated: 42