**Output: -**

Enter the start state (Enter -1 for empty): 1 2 3 -1 4 6 7 5 8

Enter the goal state (Enter -1 for empty): 1 2 3 4 5 6 7 8 -1

1 2 3

\_ 4 6

7 5 8

1 2 3

4 \_ 6

7 5 8

1 2 3

4 5 6

7 \_ 8

1 2 3

4 5 6

7 8 \_

Solved in 3 moves

**Output: -**

Enter the start state:(Enter -1 for empty):

1

2

3

-1

4

6

7

5

8

Enter the goal state:(Enter -1 for empty):

1

2

3

4

5

6

7

8

-1

Start state

1 2 3

\_ 4 6

7 5 8

-----------------------------------------------

1 2 3

4 \_ 6

7 5 8

f(n) = 3

1 2 3

4 5 6

7 \_ 8

f(n) = 3

1 2 3

4 5 6

7 8 \_

f(n) = 3

Solved in 3 moves