

8-Puzzle problem using A* search Algorithm

Enter the Current State

7 2 4

5 0 6

8 3 1

Enter the Goal State

1 2 3

4 5 6

7 8 0

Enter the heuristic number that you want to proceed with

1. Manhattan

2. Misplaced Tiles

2

Level 0 - [[7,2,4][5,0,6][8,3,1]]

Node Chosen for Level 1 - [[7,2,4][5,0,6][8,3,1]]

Generated Nodes :

[[7,0,4][5,2,6][8,3,1]] - $f(n) = 1 + 7 = 8$

[[7,2,4][5,6,0][8,3,1]] - $f(n) = 1 + 7 = 8$

[[7,2,4][0,5,6][8,3,1]] - $f(n) = 1 + 5 = 6$

[[7,2,4][5,3,6][8,0,1]] - $f(n) = 1 + 6 = 7$

Node Chosen for Level 2 - [[7,2,4][0,5,6][8,3,1]]

Generated Nodes :

[[0,2,4][7,5,6][8,3,1]] - $f(n) = 2 + 5 = 7$

[[7,2,4][5,0,6][8,3,1]] - Already visited Node!

[[7,2,4][8,5,6][0,3,1]] - $f(n) = 2 + 5 = 7$

Node Chosen for Level 2 - [[7,2,4][5,3,6][8,0,1]]

Generated Nodes :

[[7,2,4][5,0,6][8,3,1]] - Already visited Node!

[[7,2,4][5,3,6][8,1,0]] - $f(n) = 2 + 6 = 8$

[[7,2,4][5,3,6][0,8,1]] - $f(n) = 2 + 5 = 7$

Node Chosen for Level 3 - [[0,2,4][7,5,6][8,3,1]]

Generated Nodes :

[[2,0,4][7,5,6][8,3,1]] - $f(n) = 3 + 6 = 9$

[[7,2,4][0,5,6][8,3,1]] - Already visited Node!

Node Chosen for Level 3 - [[7,2,4][8,5,6][0,3,1]]

Generated Nodes :

[[7,2,4][0,5,6][8,3,1]] - Already visited Node!
[[7,2,4][8,5,6][3,0,1]] - $f(n) = 3 + 5 = 8$

Node Chosen for Level 3 - [[7,2,4][5,3,6][0,8,1]]

Generated Nodes :

[[7,2,4][0,3,6][5,8,1]] - $f(n) = 3 + 5 = 8$
[[7,2,4][5,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 2 - [[7,0,4][5,2,6][8,3,1]]

Generated Nodes :

[[7,4,0][5,2,6][8,3,1]] - $f(n) = 2 + 7 = 9$
[[0,7,4][5,2,6][8,3,1]] - $f(n) = 2 + 7 = 9$
[[7,2,4][5,0,6][8,3,1]] - Already visited Node!

Node Chosen for Level 2 - [[7,2,4][5,6,0][8,3,1]]

Generated Nodes :

[[7,2,0][5,6,4][8,3,1]] - $f(n) = 2 + 7 = 9$
[[7,2,4][5,0,6][8,3,1]] - Already visited Node!
[[7,2,4][5,6,1][8,3,0]] - $f(n) = 2 + 7 = 9$

Node Chosen for Level 3 - [[7,2,4][5,3,6][8,1,0]]

Generated Nodes :

[[7,2,4][5,3,0][8,1,6]] - $f(n) = 3 + 7 = 10$
[[7,2,4][5,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 4 - [[7,2,4][8,5,6][3,0,1]]

Generated Nodes :

[[7,2,4][8,0,6][3,5,1]] - $f(n) = 4 + 6 = 10$
[[7,2,4][8,5,6][3,1,0]] - $f(n) = 4 + 5 = 9$
[[7,2,4][8,5,6][0,3,1]] - Already visited Node!

Node Chosen for Level 4 - [[7,2,4][0,3,6][5,8,1]]

Generated Nodes :

[[0,2,4][7,3,6][5,8,1]] - $f(n) = 4 + 5 = 9$
[[7,2,4][3,0,6][5,8,1]] - $f(n) = 4 + 5 = 9$
[[7,2,4][5,3,6][0,8,1]] - Already visited Node!

Node Chosen for Level 4 - [[2,0,4][7,5,6][8,3,1]]

Generated Nodes :

[[2,4,0][7,5,6][8,3,1]] - $f(n) = 4 + 6 = 10$
[[0,2,4][7,5,6][8,3,1]] - Already visited Node!
[[2,5,4][7,0,6][8,3,1]] - $f(n) = 4 + 7 = 11$

Node Chosen for Level 3 - [[7,4,0][5,2,6][8,3,1]]

Generated Nodes :

[[7,0,4][5,2,6][8,3,1]] - Already visited Node!
[[7,4,6][5,2,0][8,3,1]] - $f(n) = 3 + 8 = 11$

Node Chosen for Level 3 - [[0,7,4][5,2,6][8,3,1]]

Generated Nodes :

[[7,0,4][5,2,6][8,3,1]] - Already visited Node!
[[5,7,4][0,2,6][8,3,1]] - $f(n) = 3 + 7 = 10$

Node Chosen for Level 3 - [[7,2,0][5,6,4][8,3,1]]

Generated Nodes :

[[7,0,2][5,6,4][8,3,1]] - $f(n) = 3 + 8 = 11$
[[7,2,4][5,6,0][8,3,1]] - Already visited Node!

Node Chosen for Level 3 - [[7,2,4][5,6,1][8,3,0]]

Generated Nodes :

[[7,2,4][5,6,0][8,3,1]] - Already visited Node!
[[7,2,4][5,6,1][8,0,3]] - $f(n) = 3 + 7 = 10$

Node Chosen for Level 5 - [[7,2,4][8,5,6][3,1,0]]

Generated Nodes :

[[7,2,4][8,5,0][3,1,6]] - $f(n) = 5 + 6 = 11$
[[7,2,4][8,5,6][3,0,1]] - Already visited Node!

Node Chosen for Level 5 - [[0,2,4][7,3,6][5,8,1]]

Generated Nodes :

[[2,0,4][7,3,6][5,8,1]] - $f(n) = 5 + 6 = 11$
[[7,2,4][0,3,6][5,8,1]] - Already visited Node!

Node Chosen for Level 5 - [[7,2,4][3,0,6][5,8,1]]

Generated Nodes :

[[7,0,4][3,2,6][5,8,1]] - $f(n) = 5 + 6 = 11$

[[7,2,4][3,6,0][5,8,1]] - $f(n) = 5 + 6 = 11$
[[7,2,4][0,3,6][5,8,1]] - Already visited Node!
[[7,2,4][3,8,6][5,0,1]] - $f(n) = 5 + 6 = 11$

Node Chosen for Level 4 - [[7,2,4][5,3,0][8,1,6]]

Generated Nodes :

[[7,2,0][5,3,4][8,1,6]] - $f(n) = 4 + 7 = 11$
[[7,2,4][5,0,3][8,1,6]] - $f(n) = 4 + 7 = 11$
[[7,2,4][5,3,6][8,1,0]] - Already visited Node!

Node Chosen for Level 5 - [[7,2,4][8,0,6][3,5,1]]

Generated Nodes :

[[7,0,4][8,2,6][3,5,1]] - $f(n) = 5 + 7 = 12$
[[7,2,4][8,6,0][3,5,1]] - $f(n) = 5 + 7 = 12$
[[7,2,4][0,8,6][3,5,1]] - $f(n) = 5 + 6 = 11$
[[7,2,4][8,5,6][3,0,1]] - Already visited Node!

Node Chosen for Level 5 - [[2,4,0][7,5,6][8,3,1]]

Generated Nodes :

[[2,0,4][7,5,6][8,3,1]] - Already visited Node!
[[2,4,6][7,5,0][8,3,1]] - $f(n) = 5 + 7 = 12$

Node Chosen for Level 4 - [[5,7,4][0,2,6][8,3,1]]

Generated Nodes :

[[0,7,4][5,2,6][8,3,1]] - Already visited Node!
[[5,7,4][2,0,6][8,3,1]] - $f(n) = 4 + 7 = 11$
[[5,7,4][8,2,6][0,3,1]] - $f(n) = 4 + 7 = 11$

Node Chosen for Level 4 - [[7,2,4][5,6,1][8,0,3]]

Generated Nodes :

[[7,2,4][5,0,1][8,6,3]] - $f(n) = 4 + 7 = 11$
[[7,2,4][5,6,1][8,3,0]] - Already visited Node!
[[7,2,4][5,6,1][0,8,3]] - $f(n) = 4 + 6 = 10$

Node Chosen for Level 5 - [[7,2,4][5,6,1][0,8,3]]

Generated Nodes :

[[7,2,4][0,6,1][5,8,3]] - $f(n) = 5 + 6 = 11$
[[7,2,4][5,6,1][8,0,3]] - Already visited Node!

Node Chosen for Level 5 - [[2,5,4][7,0,6][8,3,1]]

Generated Nodes :

[[2,0,4][7,5,6][8,3,1]] - Already visited Node!
[[2,5,4][7,6,0][8,3,1]] - $f(n) = 5 + 8 = 13$
[[2,5,4][0,7,6][8,3,1]] - $f(n) = 5 + 7 = 12$
[[2,5,4][7,3,6][8,0,1]] - $f(n) = 5 + 7 = 12$

Node Chosen for Level 4 - [[7,4,6][5,2,0][8,3,1]]

Generated Nodes :

[[7,4,0][5,2,6][8,3,1]] - Already visited Node!
[[7,4,6][5,0,2][8,3,1]] - $f(n) = 4 + 8 = 12$
[[7,4,6][5,2,1][8,3,0]] - $f(n) = 4 + 8 = 12$

Node Chosen for Level 4 - [[7,0,2][5,6,4][8,3,1]]

Generated Nodes :

[[7,2,0][5,6,4][8,3,1]] - Already visited Node!
[[0,7,2][5,6,4][8,3,1]] - $f(n) = 4 + 8 = 12$
[[7,6,2][5,0,4][8,3,1]] - $f(n) = 4 + 8 = 12$

Node Chosen for Level 6 - [[7,2,4][8,5,0][3,1,6]]

Generated Nodes :

[[7,2,0][8,5,4][3,1,6]] - $f(n) = 6 + 6 = 12$
[[7,2,4][8,0,5][3,1,6]] - $f(n) = 6 + 7 = 13$
[[7,2,4][8,5,6][3,1,0]] - Already visited Node!

Node Chosen for Level 6 - [[2,0,4][7,3,6][5,8,1]]

Generated Nodes :

[[2,4,0][7,3,6][5,8,1]] - $f(n) = 6 + 6 = 12$
[[0,2,4][7,3,6][5,8,1]] - Already visited Node!
[[2,3,4][7,0,6][5,8,1]] - $f(n) = 6 + 6 = 12$

Node Chosen for Level 6 - [[7,0,4][3,2,6][5,8,1]]

Generated Nodes :

[[7,4,0][3,2,6][5,8,1]] - $f(n) = 6 + 6 = 12$
[[0,7,4][3,2,6][5,8,1]] - $f(n) = 6 + 6 = 12$
[[7,2,4][3,0,6][5,8,1]] - Already visited Node!

Node Chosen for Level 6 - [[7,2,4][3,6,0][5,8,1]]

Generated Nodes :

[[7,2,0][3,6,4][5,8,1]] - $f(n) = 6 + 6 = 12$
[[7,2,4][3,0,6][5,8,1]] - Already visited Node!
[[7,2,4][3,6,1][5,8,0]] - $f(n) = 6 + 6 = 12$

Node Chosen for Level 6 - [[7,2,4][3,8,6][5,0,1]]

Generated Nodes :

[[7,2,4][3,0,6][5,8,1]] - Already visited Node!
[[7,2,4][3,8,6][5,1,0]] - $f(n) = 6 + 6 = 12$
[[7,2,4][3,8,6][0,5,1]] - $f(n) = 6 + 6 = 12$

Node Chosen for Level 5 - [[7,2,0][5,3,4][8,1,6]]

Generated Nodes :

[[7,0,2][5,3,4][8,1,6]] - $f(n) = 5 + 8 = 13$
[[7,2,4][5,3,0][8,1,6]] - Already visited Node!

Node Chosen for Level 5 - [[7,2,4][5,0,3][8,1,6]]

Generated Nodes :

[[7,0,4][5,2,3][8,1,6]] - $f(n) = 5 + 8 = 13$
[[7,2,4][5,3,0][8,1,6]] - Already visited Node!
[[7,2,4][0,5,3][8,1,6]] - $f(n) = 5 + 6 = 11$
[[7,2,4][5,1,3][8,0,6]] - $f(n) = 5 + 7 = 12$

Node Chosen for Level 6 - [[7,2,4][0,8,6][3,5,1]]

Generated Nodes :

[[0,2,4][7,8,6][3,5,1]] - $f(n) = 6 + 6 = 12$
[[7,2,4][8,0,6][3,5,1]] - Already visited Node!
[[7,2,4][3,8,6][0,5,1]] - $f(n) = 6 + 6 = 12$

Node Chosen for Level 5 - [[5,7,4][2,0,6][8,3,1]]

Generated Nodes :

[[5,0,4][2,7,6][8,3,1]] - $f(n) = 5 + 7 = 12$
[[5,7,4][2,6,0][8,3,1]] - $f(n) = 5 + 8 = 13$
[[5,7,4][0,2,6][8,3,1]] - Already visited Node!
[[5,7,4][2,3,6][8,0,1]] - $f(n) = 5 + 7 = 12$

Node Chosen for Level 5 - [[5,7,4][8,2,6][0,3,1]]

Generated Nodes :

[[5,7,4][0,2,6][8,3,1]] - Already visited Node!
[[5,7,4][8,2,6][3,0,1]] - $f(n) = 5 + 7 = 12$

Node Chosen for Level 5 - $[[7,2,4][5,0,1][8,6,3]]$

Generated Nodes :

$[[7,0,4][5,2,1][8,6,3]] - f(n) = 5 + 8 = 13$
 $[[7,2,4][5,1,0][8,6,3]] - f(n) = 5 + 7 = 12$
 $[[7,2,4][0,5,1][8,6,3]] - f(n) = 5 + 6 = 11$
 $[[7,2,4][5,6,1][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[7,2,4][0,6,1][5,8,3]]$

Generated Nodes :

$[[0,2,4][7,6,1][5,8,3]] - f(n) = 6 + 6 = 12$
 $[[7,2,4][6,0,1][5,8,3]] - f(n) = 6 + 6 = 12$
 $[[7,2,4][5,6,1][0,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[7,2,4][0,5,3][8,1,6]]$

Generated Nodes :

$[[0,2,4][7,5,3][8,1,6]] - f(n) = 6 + 6 = 12$
 $[[7,2,4][5,0,3][8,1,6]] - \text{Already visited Node!}$
 $[[7,2,4][8,5,3][0,1,6]] - f(n) = 6 + 6 = 12$

Node Chosen for Level 6 - $[[7,2,4][0,5,1][8,6,3]]$

Generated Nodes :

$[[0,2,4][7,5,1][8,6,3]] - f(n) = 6 + 6 = 12$
 $[[7,2,4][5,0,1][8,6,3]] - \text{Already visited Node!}$
 $[[7,2,4][8,5,1][0,6,3]] - f(n) = 6 + 6 = 12$

Node Chosen for Level 6 - $[[7,0,4][8,2,6][3,5,1]]$

Generated Nodes :

$[[7,4,0][8,2,6][3,5,1]] - f(n) = 6 + 7 = 13$
 $[[0,7,4][8,2,6][3,5,1]] - f(n) = 6 + 7 = 13$
 $[[7,2,4][8,0,6][3,5,1]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[7,2,4][8,6,0][3,5,1]]$

Generated Nodes :

$[[7,2,0][8,6,4][3,5,1]] - f(n) = 6 + 7 = 13$
 $[[7,2,4][8,0,6][3,5,1]] - \text{Already visited Node!}$
 $[[7,2,4][8,6,1][3,5,0]] - f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - $[[2,4,6][7,5,0][8,3,1]]$

Generated Nodes :

[[2,4,0][7,5,6][8,3,1]] - Already visited Node!
[[2,4,6][7,0,5][8,3,1]] - $f(n) = 6 + 8 = 14$
[[2,4,6][7,5,1][8,3,0]] - $f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - [[2,5,4][0,7,6][8,3,1]]

Generated Nodes :

[[0,5,4][2,7,6][8,3,1]] - $f(n) = 6 + 7 = 13$
[[2,5,4][7,0,6][8,3,1]] - Already visited Node!
[[2,5,4][8,7,6][0,3,1]] - $f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - [[2,5,4][7,3,6][8,0,1]]

Generated Nodes :

[[2,5,4][7,0,6][8,3,1]] - Already visited Node!
[[2,5,4][7,3,6][8,1,0]] - $f(n) = 6 + 7 = 13$
[[2,5,4][7,3,6][0,8,1]] - $f(n) = 6 + 6 = 12$

Node Chosen for Level 5 - [[7,4,6][5,0,2][8,3,1]]

Generated Nodes :

[[7,0,6][5,4,2][8,3,1]] - $f(n) = 5 + 8 = 13$
[[7,4,6][5,2,0][8,3,1]] - Already visited Node!
[[7,4,6][0,5,2][8,3,1]] - $f(n) = 5 + 7 = 12$
[[7,4,6][5,3,2][8,0,1]] - $f(n) = 5 + 8 = 13$

Node Chosen for Level 5 - [[7,4,6][5,2,1][8,3,0]]

Generated Nodes :

[[7,4,6][5,2,0][8,3,1]] - Already visited Node!
[[7,4,6][5,2,1][8,0,3]] - $f(n) = 5 + 8 = 13$

Node Chosen for Level 5 - [[0,7,2][5,6,4][8,3,1]]

Generated Nodes :

[[7,0,2][5,6,4][8,3,1]] - Already visited Node!
[[5,7,2][0,6,4][8,3,1]] - $f(n) = 5 + 8 = 13$

Node Chosen for Level 5 - [[7,6,2][5,0,4][8,3,1]]

Generated Nodes :

[[7,0,2][5,6,4][8,3,1]] - Already visited Node!
[[7,6,2][5,4,0][8,3,1]] - $f(n) = 5 + 8 = 13$
[[7,6,2][0,5,4][8,3,1]] - $f(n) = 5 + 7 = 12$
[[7,6,2][5,3,4][8,0,1]] - $f(n) = 5 + 8 = 13$

Node Chosen for Level 7 - $[[7,2,0][8,5,4][3,1,6]]$

Generated Nodes :

$[[7,0,2][8,5,4][3,1,6]] - f(n) = 7 + 7 = 14$
 $[[7,2,4][8,5,0][3,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[2,4,0][7,3,6][5,8,1]]$

Generated Nodes :

$[[2,0,4][7,3,6][5,8,1]] - \text{Already visited Node!}$
 $[[2,4,6][7,3,0][5,8,1]] - f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - $[[2,3,4][7,0,6][5,8,1]]$

Generated Nodes :

$[[2,0,4][7,3,6][5,8,1]] - \text{Already visited Node!}$
 $[[2,3,4][7,6,0][5,8,1]] - f(n) = 7 + 7 = 14$
 $[[2,3,4][0,7,6][5,8,1]] - f(n) = 7 + 6 = 13$
 $[[2,3,4][7,8,6][5,0,1]] - f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - $[[7,4,0][3,2,6][5,8,1]]$

Generated Nodes :

$[[7,0,4][3,2,6][5,8,1]] - \text{Already visited Node!}$
 $[[7,4,6][3,2,0][5,8,1]] - f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - $[[0,7,4][3,2,6][5,8,1]]$

Generated Nodes :

$[[7,0,4][3,2,6][5,8,1]] - \text{Already visited Node!}$
 $[[3,7,4][0,2,6][5,8,1]] - f(n) = 7 + 6 = 13$

Node Chosen for Level 7 - $[[7,2,0][3,6,4][5,8,1]]$

Generated Nodes :

$[[7,0,2][3,6,4][5,8,1]] - f(n) = 7 + 7 = 14$
 $[[7,2,4][3,6,0][5,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[7,2,4][3,6,1][5,8,0]]$

Generated Nodes :

$[[7,2,4][3,6,0][5,8,1]] - \text{Already visited Node!}$
 $[[7,2,4][3,6,1][5,0,8]] - f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - $[[7,2,4][3,8,6][5,1,0]]$

Generated Nodes :

 $[[7,2,4][3,8,0][5,1,6]] - f(n) = 7 + 7 = 14$
 $[[7,2,4][3,8,6][5,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[7,2,4][3,8,6][0,5,1]]$

Generated Nodes :

 $[[7,2,4][0,8,6][3,5,1]] - \text{Already visited Node!}$
 $[[7,2,4][3,8,6][5,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[7,2,4][5,1,3][8,0,6]]$

Generated Nodes :

 $[[7,2,4][5,0,3][8,1,6]] - \text{Already visited Node!}$
 $[[7,2,4][5,1,3][8,6,0]] - f(n) = 6 + 7 = 13$
 $[[7,2,4][5,1,3][0,8,6]] - f(n) = 6 + 6 = 12$

Node Chosen for Level 7 - $[[0,2,4][7,8,6][3,5,1]]$

Generated Nodes :

 $[[2,0,4][7,8,6][3,5,1]] - f(n) = 7 + 7 = 14$
 $[[7,2,4][0,8,6][3,5,1]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[7,2,4][3,8,6][0,5,1]]$

Generated Nodes :

 $[[7,2,4][0,8,6][3,5,1]] - \text{Already visited Node!}$
 $[[7,2,4][3,8,6][5,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[5,0,4][2,7,6][8,3,1]]$

Generated Nodes :

 $[[5,4,0][2,7,6][8,3,1]] - f(n) = 6 + 7 = 13$
 $[[0,5,4][2,7,6][8,3,1]] - f(n) = 6 + 7 = 13$
 $[[5,7,4][2,0,6][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 6 - $[[5,7,4][2,3,6][8,0,1]]$

Generated Nodes :

 $[[5,7,4][2,0,6][8,3,1]] - \text{Already visited Node!}$
 $[[5,7,4][2,3,6][8,1,0]] - f(n) = 6 + 7 = 13$
 $[[5,7,4][2,3,6][0,8,1]] - f(n) = 6 + 6 = 12$

Node Chosen for Level 6 – [[5,7,4][8,2,6][3,0,1]]

Generated Nodes :

[[5,7,4][8,0,6][3,2,1]] – $f(n) = 6 + 7 = 13$
[[5,7,4][8,2,6][3,1,0]] – $f(n) = 6 + 7 = 13$
[[5,7,4][8,2,6][0,3,1]] – Already visited Node!

Node Chosen for Level 6 – [[7,2,4][5,1,0][8,6,3]]

Generated Nodes :

[[7,2,0][5,1,4][8,6,3]] – $f(n) = 6 + 7 = 13$
[[7,2,4][5,0,1][8,6,3]] – Already visited Node!
[[7,2,4][5,1,3][8,6,0]] – $f(n) = 6 + 7 = 13$

Node Chosen for Level 7 – [[0,2,4][7,6,1][5,8,3]]

Generated Nodes :

[[2,0,4][7,6,1][5,8,3]] – $f(n) = 7 + 7 = 14$
[[7,2,4][0,6,1][5,8,3]] – Already visited Node!

Node Chosen for Level 7 – [[7,2,4][6,0,1][5,8,3]]

Generated Nodes :

[[7,0,4][6,2,1][5,8,3]] – $f(n) = 7 + 7 = 14$
[[7,2,4][6,1,0][5,8,3]] – $f(n) = 7 + 6 = 13$
[[7,2,4][0,6,1][5,8,3]] – Already visited Node!
[[7,2,4][6,8,1][5,0,3]] – $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 – [[0,2,4][7,5,3][8,1,6]]

Generated Nodes :

[[2,0,4][7,5,3][8,1,6]] – $f(n) = 7 + 7 = 14$
[[7,2,4][0,5,3][8,1,6]] – Already visited Node!

Node Chosen for Level 7 – [[7,2,4][8,5,3][0,1,6]]

Generated Nodes :

[[7,2,4][0,5,3][8,1,6]] – Already visited Node!
[[7,2,4][8,5,3][1,0,6]] – $f(n) = 7 + 6 = 13$

Node Chosen for Level 7 – [[0,2,4][7,5,1][8,6,3]]

Generated Nodes :

[[2,0,4][7,5,1][8,6,3]] – $f(n) = 7 + 7 = 14$
[[7,2,4][0,5,1][8,6,3]] – Already visited Node!

Node Chosen for Level 7 - $[[7,2,4][8,5,1][0,6,3]]$

Generated Nodes :

$[[7,2,4][0,5,1][8,6,3]]$ - Already visited Node!
 $[[7,2,4][8,5,1][6,0,3]]$ - $f(n) = 7 + 6 = 13$

Node Chosen for Level 7 - $[[2,5,4][7,3,6][0,8,1]]$

Generated Nodes :

$[[2,5,4][0,3,6][7,8,1]]$ - $f(n) = 7 + 5 = 12$
 $[[2,5,4][7,3,6][8,0,1]]$ - Already visited Node!

Node Chosen for Level 6 - $[[7,4,6][0,5,2][8,3,1]]$

Generated Nodes :

$[[0,4,6][7,5,2][8,3,1]]$ - $f(n) = 6 + 7 = 13$
 $[[7,4,6][5,0,2][8,3,1]]$ - Already visited Node!
 $[[7,4,6][8,5,2][0,3,1]]$ - $f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - $[[7,6,2][0,5,4][8,3,1]]$

Generated Nodes :

$[[0,6,2][7,5,4][8,3,1]]$ - $f(n) = 6 + 7 = 13$
 $[[7,6,2][5,0,4][8,3,1]]$ - Already visited Node!
 $[[7,6,2][8,5,4][0,3,1]]$ - $f(n) = 6 + 7 = 13$

Node Chosen for Level 7 - $[[7,2,4][5,1,3][0,8,6]]$

Generated Nodes :

$[[7,2,4][0,1,3][5,8,6]]$ - $f(n) = 7 + 6 = 13$
 $[[7,2,4][5,1,3][8,0,6]]$ - Already visited Node!

Node Chosen for Level 7 - $[[5,7,4][2,3,6][0,8,1]]$

Generated Nodes :

$[[5,7,4][0,3,6][2,8,1]]$ - $f(n) = 7 + 6 = 13$
 $[[5,7,4][2,3,6][8,0,1]]$ - Already visited Node!

Node Chosen for Level 8 - $[[2,5,4][0,3,6][7,8,1]]$

Generated Nodes :

$[[0,5,4][2,3,6][7,8,1]]$ - $f(n) = 8 + 5 = 13$
 $[[2,5,4][3,0,6][7,8,1]]$ - $f(n) = 8 + 5 = 13$
 $[[2,5,4][7,3,6][0,8,1]]$ - Already visited Node!

Node Chosen for Level 6 – [[2,5,4][7,6,0][8,3,1]]

Generated Nodes :

[[2,5,0][7,6,4][8,3,1]] – $f(n) = 6 + 8 = 14$
[[2,5,4][7,0,6][8,3,1]] – Already visited Node!
[[2,5,4][7,6,1][8,3,0]] – $f(n) = 6 + 8 = 14$

Node Chosen for Level 7 – [[7,2,4][8,0,5][3,1,6]]

Generated Nodes :

[[7,0,4][8,2,5][3,1,6]] – $f(n) = 7 + 8 = 15$
[[7,2,4][8,5,0][3,1,6]] – Already visited Node!
[[7,2,4][0,8,5][3,1,6]] – $f(n) = 7 + 7 = 14$
[[7,2,4][8,1,5][3,0,6]] – $f(n) = 7 + 7 = 14$

Node Chosen for Level 6 – [[7,0,2][5,3,4][8,1,6]]

Generated Nodes :

[[7,2,0][5,3,4][8,1,6]] – Already visited Node!
[[0,7,2][5,3,4][8,1,6]] – $f(n) = 6 + 8 = 14$
[[7,3,2][5,0,4][8,1,6]] – $f(n) = 6 + 8 = 14$

Node Chosen for Level 6 – [[7,0,4][5,2,3][8,1,6]]

Generated Nodes :

[[7,4,0][5,2,3][8,1,6]] – $f(n) = 6 + 8 = 14$
[[0,7,4][5,2,3][8,1,6]] – $f(n) = 6 + 8 = 14$
[[7,2,4][5,0,3][8,1,6]] – Already visited Node!

Node Chosen for Level 6 – [[5,7,4][2,6,0][8,3,1]]

Generated Nodes :

[[5,7,0][2,6,4][8,3,1]] – $f(n) = 6 + 8 = 14$
[[5,7,4][2,0,6][8,3,1]] – Already visited Node!
[[5,7,4][2,6,1][8,3,0]] – $f(n) = 6 + 8 = 14$

Node Chosen for Level 6 – [[7,0,4][5,2,1][8,6,3]]

Generated Nodes :

[[7,4,0][5,2,1][8,6,3]] – $f(n) = 6 + 8 = 14$
[[0,7,4][5,2,1][8,6,3]] – $f(n) = 6 + 8 = 14$
[[7,2,4][5,0,1][8,6,3]] – Already visited Node!

Node Chosen for Level 7 – [[7,4,0][8,2,6][3,5,1]]

Generated Nodes :

[[7,0,4][8,2,6][3,5,1]] - Already visited Node!
[[7,4,6][8,2,0][3,5,1]] - $f(n) = 7 + 8 = 15$

Node Chosen for Level 7 - [[0,7,4][8,2,6][3,5,1]]

Generated Nodes :

[[7,0,4][8,2,6][3,5,1]] - Already visited Node!
[[8,7,4][0,2,6][3,5,1]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - [[7,2,0][8,6,4][3,5,1]]

Generated Nodes :

[[7,0,2][8,6,4][3,5,1]] - $f(n) = 7 + 8 = 15$
[[7,2,4][8,6,0][3,5,1]] - Already visited Node!

Node Chosen for Level 7 - [[7,2,4][8,6,1][3,5,0]]

Generated Nodes :

[[7,2,4][8,6,0][3,5,1]] - Already visited Node!
[[7,2,4][8,6,1][3,0,5]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - [[2,4,6][7,5,1][8,3,0]]

Generated Nodes :

[[2,4,6][7,5,0][8,3,1]] - Already visited Node!
[[2,4,6][7,5,1][8,0,3]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - [[0,5,4][2,7,6][8,3,1]]

Generated Nodes :

[[5,0,4][2,7,6][8,3,1]] - Already visited Node!
[[2,5,4][0,7,6][8,3,1]] - Already visited Node!

Node Chosen for Level 7 - [[2,5,4][8,7,6][0,3,1]]

Generated Nodes :

[[2,5,4][0,7,6][8,3,1]] - Already visited Node!
[[2,5,4][8,7,6][3,0,1]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - [[2,5,4][7,3,6][8,1,0]]

Generated Nodes :

[[2,5,4][7,3,0][8,1,6]] - $f(n) = 7 + 8 = 15$

[[2,5,4][7,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 6 - [[7,0,6][5,4,2][8,3,1]]

Generated Nodes :

[[7,6,0][5,4,2][8,3,1]] - $f(n) = 6 + 8 = 14$
[[0,7,6][5,4,2][8,3,1]] - $f(n) = 6 + 8 = 14$
[[7,4,6][5,0,2][8,3,1]] - Already visited Node!

Node Chosen for Level 6 - [[7,4,6][5,3,2][8,0,1]]

Generated Nodes :

[[7,4,6][5,0,2][8,3,1]] - Already visited Node!
[[7,4,6][5,3,2][8,1,0]] - $f(n) = 6 + 8 = 14$
[[7,4,6][5,3,2][0,8,1]] - $f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - [[7,4,6][5,2,1][8,0,3]]

Generated Nodes :

[[7,4,6][5,0,1][8,2,3]] - $f(n) = 6 + 8 = 14$
[[7,4,6][5,2,1][8,3,0]] - Already visited Node!
[[7,4,6][5,2,1][0,8,3]] - $f(n) = 6 + 7 = 13$

Node Chosen for Level 6 - [[5,7,2][0,6,4][8,3,1]]

Generated Nodes :

[[0,7,2][5,6,4][8,3,1]] - Already visited Node!
[[5,7,2][6,0,4][8,3,1]] - $f(n) = 6 + 8 = 14$
[[5,7,2][8,6,4][0,3,1]] - $f(n) = 6 + 8 = 14$

Node Chosen for Level 6 - [[7,6,2][5,4,0][8,3,1]]

Generated Nodes :

[[7,6,0][5,4,2][8,3,1]] - $f(n) = 6 + 8 = 14$
[[7,6,2][5,0,4][8,3,1]] - Already visited Node!
[[7,6,2][5,4,1][8,3,0]] - $f(n) = 6 + 8 = 14$

Node Chosen for Level 6 - [[7,6,2][5,3,4][8,0,1]]

Generated Nodes :

[[7,6,2][5,0,4][8,3,1]] - Already visited Node!
[[7,6,2][5,3,4][8,1,0]] - $f(n) = 6 + 8 = 14$
[[7,6,2][5,3,4][0,8,1]] - $f(n) = 6 + 7 = 13$

Node Chosen for Level 8 - [[2,3,4][0,7,6][5,8,1]]

Generated Nodes :

[[0,3,4][2,7,6][5,8,1]] - $f(n) = 8 + 6 = 14$
[[2,3,4][7,0,6][5,8,1]] - Already visited Node!
[[2,3,4][5,7,6][0,8,1]] - $f(n) = 8 + 6 = 14$

Node Chosen for Level 8 - [[3,7,4][0,2,6][5,8,1]]

Generated Nodes :

[[0,7,4][3,2,6][5,8,1]] - Already visited Node!
[[3,7,4][2,0,6][5,8,1]] - $f(n) = 8 + 6 = 14$
[[3,7,4][5,2,6][0,8,1]] - $f(n) = 8 + 6 = 14$

Node Chosen for Level 7 - [[7,2,4][5,1,3][8,6,0]]

Generated Nodes :

[[7,2,4][5,1,0][8,6,3]] - Already visited Node!
[[7,2,4][5,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 7 - [[5,4,0][2,7,6][8,3,1]]

Generated Nodes :

[[5,0,4][2,7,6][8,3,1]] - Already visited Node!
[[5,4,6][2,7,0][8,3,1]] - $f(n) = 7 + 8 = 15$

Node Chosen for Level 7 - [[0,5,4][2,7,6][8,3,1]]

Generated Nodes :

[[5,0,4][2,7,6][8,3,1]] - Already visited Node!
[[2,5,4][0,7,6][8,3,1]] - Already visited Node!

Node Chosen for Level 7 - [[5,7,4][2,3,6][8,1,0]]

Generated Nodes :

[[5,7,4][2,3,0][8,1,6]] - $f(n) = 7 + 8 = 15$
[[5,7,4][2,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 7 - [[5,7,4][8,0,6][3,2,1]]

Generated Nodes :

[[5,0,4][8,7,6][3,2,1]] - $f(n) = 7 + 7 = 14$
[[5,7,4][8,6,0][3,2,1]] - $f(n) = 7 + 8 = 15$
[[5,7,4][0,8,6][3,2,1]] - $f(n) = 7 + 7 = 14$
[[5,7,4][8,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 7 - [[5,7,4][8,2,6][3,1,0]]

Generated Nodes :

[[5,7,4][8,2,0][3,1,6]] - $f(n) = 7 + 8 = 15$
[[5,7,4][8,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 7 - [[7,2,0][5,1,4][8,6,3]]

Generated Nodes :

[[7,0,2][5,1,4][8,6,3]] - $f(n) = 7 + 8 = 15$
[[7,2,4][5,1,0][8,6,3]] - Already visited Node!

Node Chosen for Level 7 - [[7,2,4][5,1,3][8,6,0]]

Generated Nodes :

[[7,2,4][5,1,0][8,6,3]] - Already visited Node!
[[7,2,4][5,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 8 - [[7,2,4][6,1,0][5,8,3]]

Generated Nodes :

[[7,2,0][6,1,4][5,8,3]] - $f(n) = 8 + 6 = 14$
[[7,2,4][6,0,1][5,8,3]] - Already visited Node!
[[7,2,4][6,1,3][5,8,0]] - $f(n) = 8 + 6 = 14$

Node Chosen for Level 8 - [[7,2,4][8,5,3][1,0,6]]

Generated Nodes :

[[7,2,4][8,0,3][1,5,6]] - $f(n) = 8 + 7 = 15$
[[7,2,4][8,5,3][1,6,0]] - $f(n) = 8 + 6 = 14$
[[7,2,4][8,5,3][0,1,6]] - Already visited Node!

Node Chosen for Level 8 - [[7,2,4][8,5,1][6,0,3]]

Generated Nodes :

[[7,2,4][8,0,1][6,5,3]] - $f(n) = 8 + 7 = 15$
[[7,2,4][8,5,1][6,3,0]] - $f(n) = 8 + 6 = 14$
[[7,2,4][8,5,1][0,6,3]] - Already visited Node!

Node Chosen for Level 7 - [[0,4,6][7,5,2][8,3,1]]

Generated Nodes :

[[4,0,6][7,5,2][8,3,1]] - $f(n) = 7 + 7 = 14$
[[7,4,6][0,5,2][8,3,1]] - Already visited Node!

Node Chosen for Level 7 - [[7,4,6][8,5,2][0,3,1]]

Generated Nodes :

[[7,4,6][0,5,2][8,3,1]] - Already visited Node!
[[7,4,6][8,5,2][3,0,1]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 7 - [[0,6,2][7,5,4][8,3,1]]

Generated Nodes :

[[6,0,2][7,5,4][8,3,1]] - $f(n) = 7 + 7 = 14$
[[7,6,2][0,5,4][8,3,1]] - Already visited Node!

Node Chosen for Level 7 - [[7,6,2][8,5,4][0,3,1]]

Generated Nodes :

[[7,6,2][0,5,4][8,3,1]] - Already visited Node!
[[7,6,2][8,5,4][3,0,1]] - $f(n) = 7 + 7 = 14$

Node Chosen for Level 8 - [[7,2,4][0,1,3][5,8,6]]

Generated Nodes :

[[0,2,4][7,1,3][5,8,6]] - $f(n) = 8 + 6 = 14$
[[7,2,4][1,0,3][5,8,6]] - $f(n) = 8 + 6 = 14$
[[7,2,4][5,1,3][0,8,6]] - Already visited Node!

Node Chosen for Level 8 - [[5,7,4][0,3,6][2,8,1]]

Generated Nodes :

[[0,7,4][5,3,6][2,8,1]] - $f(n) = 8 + 6 = 14$
[[5,7,4][3,0,6][2,8,1]] - $f(n) = 8 + 6 = 14$
[[5,7,4][2,3,6][0,8,1]] - Already visited Node!

Node Chosen for Level 9 - [[0,5,4][2,3,6][7,8,1]]

Generated Nodes :

[[5,0,4][2,3,6][7,8,1]] - $f(n) = 9 + 5 = 14$
[[2,5,4][0,3,6][7,8,1]] - Already visited Node!

Node Chosen for Level 9 - [[2,5,4][3,0,6][7,8,1]]

Generated Nodes :

[[2,0,4][3,5,6][7,8,1]] - $f(n) = 9 + 4 = 13$
[[2,5,4][3,6,0][7,8,1]] - $f(n) = 9 + 6 = 15$
[[2,5,4][0,3,6][7,8,1]] - Already visited Node!
[[2,5,4][3,8,6][7,0,1]] - $f(n) = 9 + 6 = 15$

Node Chosen for Level 7 - $[[7,4,6][5,3,2][0,8,1]]$

Generated Nodes :

 $[[7,4,6][0,3,2][5,8,1]] - f(n) = 7 + 7 = 14$
 $[[7,4,6][5,3,2][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[7,4,6][5,2,1][0,8,3]]$

Generated Nodes :

 $[[7,4,6][0,2,1][5,8,3]] - f(n) = 7 + 7 = 14$
 $[[7,4,6][5,2,1][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 7 - $[[7,6,2][5,3,4][0,8,1]]$

Generated Nodes :

 $[[7,6,2][0,3,4][5,8,1]] - f(n) = 7 + 7 = 14$
 $[[7,6,2][5,3,4][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 10 - $[[2,0,4][3,5,6][7,8,1]]$

Generated Nodes :

 $[[2,4,0][3,5,6][7,8,1]] - f(n) = 10 + 4 = 14$
 $[[0,2,4][3,5,6][7,8,1]] - f(n) = 10 + 3 = 13$
 $[[2,5,4][3,0,6][7,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 11 - $[[0,2,4][3,5,6][7,8,1]]$

Generated Nodes :

 $[[2,0,4][3,5,6][7,8,1]] - \text{Already visited Node!}$
 $[[3,2,4][0,5,6][7,8,1]] - f(n) = 11 + 3 = 14$

Node Chosen for Level 7 - $[[2,4,6][7,0,5][8,3,1]]$

Generated Nodes :

 $[[2,0,6][7,4,5][8,3,1]] - f(n) = 7 + 8 = 15$
 $[[2,4,6][7,5,0][8,3,1]] - \text{Already visited Node!}$
 $[[2,4,6][0,7,5][8,3,1]] - f(n) = 7 + 8 = 15$
 $[[2,4,6][7,3,5][8,0,1]] - f(n) = 7 + 8 = 15$

Node Chosen for Level 8 - $[[7,0,2][8,5,4][3,1,6]]$

Generated Nodes :

 $[[7,2,0][8,5,4][3,1,6]] - \text{Already visited Node!}$
 $[[0,7,2][8,5,4][3,1,6]] - f(n) = 8 + 7 = 15$
 $[[7,5,2][8,0,4][3,1,6]] - f(n) = 8 + 8 = 16$

Node Chosen for Level 9 – [[7,5,2][8,0,4][3,1,6]]

Generated Nodes :

[[7,0,2][8,5,4][3,1,6]] – Already visited Node!
[[7,5,2][8,4,0][3,1,6]] – $f(n) = 9 + 8 = 17$
[[7,5,2][0,8,4][3,1,6]] – $f(n) = 9 + 8 = 17$
[[7,5,2][8,1,4][3,0,6]] – $f(n) = 9 + 8 = 17$

Node Chosen for Level 10 – [[7,5,2][8,4,0][3,1,6]]

Generated Nodes :

[[7,5,0][8,4,2][3,1,6]] – $f(n) = 10 + 8 = 18$
[[7,5,2][8,0,4][3,1,6]] – Already visited Node!
[[7,5,2][8,4,6][3,1,0]] – $f(n) = 10 + 7 = 17$

Node Chosen for Level 10 – [[7,5,2][0,8,4][3,1,6]]

Generated Nodes :

[[0,5,2][7,8,4][3,1,6]] – $f(n) = 10 + 8 = 18$
[[7,5,2][8,0,4][3,1,6]] – Already visited Node!
[[7,5,2][3,8,4][0,1,6]] – $f(n) = 10 + 8 = 18$

Node Chosen for Level 10 – [[7,5,2][8,1,4][3,0,6]]

Generated Nodes :

[[7,5,2][8,0,4][3,1,6]] – Already visited Node!
[[7,5,2][8,1,4][3,6,0]] – $f(n) = 10 + 8 = 18$
[[7,5,2][8,1,4][0,3,6]] – $f(n) = 10 + 8 = 18$

Node Chosen for Level 11 – [[7,5,2][8,4,6][3,1,0]]

Generated Nodes :

[[7,5,2][8,4,0][3,1,6]] – Already visited Node!
[[7,5,2][8,4,6][3,0,1]] – $f(n) = 11 + 7 = 18$

Node Chosen for Level 11 – [[7,5,0][8,4,2][3,1,6]]

Generated Nodes :

[[7,0,5][8,4,2][3,1,6]] – $f(n) = 11 + 8 = 19$
[[7,5,2][8,4,0][3,1,6]] – Already visited Node!

Node Chosen for Level 11 – [[0,5,2][7,8,4][3,1,6]]

Generated Nodes :

$[[5,0,2][7,8,4][3,1,6]] - f(n) = 11 + 8 = 19$
 $[[7,5,2][0,8,4][3,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 11 - $[[7,5,2][3,8,4][0,1,6]]$

Generated Nodes :

$[[7,5,2][0,8,4][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,2][3,8,4][1,0,6]] - f(n) = 11 + 8 = 19$

Node Chosen for Level 11 - $[[7,5,2][8,1,4][3,6,0]]$

Generated Nodes :

$[[7,5,2][8,1,0][3,6,4]] - f(n) = 11 + 8 = 19$
 $[[7,5,2][8,1,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 11 - $[[7,5,2][8,1,4][0,3,6]]$

Generated Nodes :

$[[7,5,2][0,1,4][8,3,6]] - f(n) = 11 + 8 = 19$
 $[[7,5,2][8,1,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 12 - $[[7,5,2][8,4,6][3,0,1]]$

Generated Nodes :

$[[7,5,2][8,0,6][3,4,1]] - f(n) = 12 + 7 = 19$
 $[[7,5,2][8,4,6][3,1,0]] - \text{Already visited Node!}$
 $[[7,5,2][8,4,6][0,3,1]] - f(n) = 12 + 7 = 19$

Node Chosen for Level 12 - $[[7,0,5][8,4,2][3,1,6]]$

Generated Nodes :

$[[7,5,0][8,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[0,7,5][8,4,2][3,1,6]] - f(n) = 12 + 8 = 20$
 $[[7,4,5][8,0,2][3,1,6]] - f(n) = 12 + 8 = 20$

Node Chosen for Level 12 - $[[5,0,2][7,8,4][3,1,6]]$

Generated Nodes :

$[[5,2,0][7,8,4][3,1,6]] - f(n) = 12 + 7 = 19$
 $[[0,5,2][7,8,4][3,1,6]] - \text{Already visited Node!}$
 $[[5,8,2][7,0,4][3,1,6]] - f(n) = 12 + 8 = 20$

Node Chosen for Level 12 - $[[7,5,2][3,8,4][1,0,6]]$

Generated Nodes :

$[[7,5,2][3,0,4][1,8,6]] - f(n) = 12 + 7 = 19$
 $[[7,5,2][3,8,4][1,6,0]] - f(n) = 12 + 8 = 20$
 $[[7,5,2][3,8,4][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 12 - $[[7,5,2][8,1,0][3,6,4]]$

Generated Nodes :

$[[7,5,0][8,1,2][3,6,4]] - f(n) = 12 + 8 = 20$
 $[[7,5,2][8,0,1][3,6,4]] - f(n) = 12 + 8 = 20$
 $[[7,5,2][8,1,4][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 12 - $[[7,5,2][0,1,4][8,3,6]]$

Generated Nodes :

$[[0,5,2][7,1,4][8,3,6]] - f(n) = 12 + 8 = 20$
 $[[7,5,2][1,0,4][8,3,6]] - f(n) = 12 + 8 = 20$
 $[[7,5,2][8,1,4][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[7,5,2][8,0,6][3,4,1]]$

Generated Nodes :

$[[7,0,2][8,5,6][3,4,1]] - f(n) = 13 + 6 = 19$
 $[[7,5,2][8,6,0][3,4,1]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][0,8,6][3,4,1]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][8,4,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[7,5,2][8,4,6][0,3,1]]$

Generated Nodes :

$[[7,5,2][0,4,6][8,3,1]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][8,4,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[5,2,0][7,8,4][3,1,6]]$

Generated Nodes :

$[[5,0,2][7,8,4][3,1,6]] - \text{Already visited Node!}$
 $[[5,2,4][7,8,0][3,1,6]] - f(n) = 13 + 7 = 20$

Node Chosen for Level 13 - $[[7,5,2][3,0,4][1,8,6]]$

Generated Nodes :

$[[7,0,2][3,5,4][1,8,6]] - f(n) = 13 + 6 = 19$
 $[[7,5,2][3,4,0][1,8,6]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][0,3,4][1,8,6]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][3,8,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 14 – [[7,0,2][8,5,6][3,4,1]]

Generated Nodes :

[[7,2,0][8,5,6][3,4,1]] – $f(n) = 14 + 5 = 19$
[[0,7,2][8,5,6][3,4,1]] – $f(n) = 14 + 6 = 20$
[[7,5,2][8,0,6][3,4,1]] – Already visited Node!

Node Chosen for Level 14 – [[7,0,2][3,5,4][1,8,6]]

Generated Nodes :

[[7,2,0][3,5,4][1,8,6]] – $f(n) = 14 + 5 = 19$
[[0,7,2][3,5,4][1,8,6]] – $f(n) = 14 + 6 = 20$
[[7,5,2][3,0,4][1,8,6]] – Already visited Node!

Node Chosen for Level 15 – [[7,2,0][8,5,6][3,4,1]]

Generated Nodes :

[[7,0,2][8,5,6][3,4,1]] – Already visited Node!
[[7,2,6][8,5,0][3,4,1]] – $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 – [[7,2,0][3,5,4][1,8,6]]

Generated Nodes :

[[7,0,2][3,5,4][1,8,6]] – Already visited Node!
[[7,2,4][3,5,0][1,8,6]] – $f(n) = 15 + 5 = 20$

Node Chosen for Level 13 – [[0,7,5][8,4,2][3,1,6]]

Generated Nodes :

[[7,0,5][8,4,2][3,1,6]] – Already visited Node!
[[8,7,5][0,4,2][3,1,6]] – $f(n) = 13 + 8 = 21$

Node Chosen for Level 13 – [[7,4,5][8,0,2][3,1,6]]

Generated Nodes :

[[7,0,5][8,4,2][3,1,6]] – Already visited Node!
[[7,4,5][8,2,0][3,1,6]] – $f(n) = 13 + 8 = 21$
[[7,4,5][0,8,2][3,1,6]] – $f(n) = 13 + 8 = 21$
[[7,4,5][8,1,2][3,0,6]] – $f(n) = 13 + 8 = 21$

Node Chosen for Level 13 – [[5,8,2][7,0,4][3,1,6]]

Generated Nodes :

[[5,0,2][7,8,4][3,1,6]] – Already visited Node!
[[5,8,2][7,4,0][3,1,6]] – $f(n) = 13 + 8 = 21$

$[[5,8,2][0,7,4][3,1,6]] - f(n) = 13 + 8 = 21$
 $[[5,8,2][7,1,4][3,0,6]] - f(n) = 13 + 8 = 21$

Node Chosen for Level 13 - $[[7,5,2][3,8,4][1,6,0]]$

Generated Nodes :

$[[7,5,2][3,8,0][1,6,4]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][3,8,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[7,5,0][8,1,2][3,6,4]]$

Generated Nodes :

$[[7,0,5][8,1,2][3,6,4]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][8,1,0][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[7,5,2][8,0,1][3,6,4]]$

Generated Nodes :

$[[7,0,2][8,5,1][3,6,4]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][8,1,0][3,6,4]] - \text{Already visited Node!}$
 $[[7,5,2][0,8,1][3,6,4]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][8,6,1][3,0,4]] - f(n) = 13 + 8 = 21$

Node Chosen for Level 13 - $[[0,5,2][7,1,4][8,3,6]]$

Generated Nodes :

$[[5,0,2][7,1,4][8,3,6]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][0,1,4][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 13 - $[[7,5,2][1,0,4][8,3,6]]$

Generated Nodes :

$[[7,0,2][1,5,4][8,3,6]] - f(n) = 13 + 7 = 20$
 $[[7,5,2][1,4,0][8,3,6]] - f(n) = 13 + 8 = 21$
 $[[7,5,2][0,1,4][8,3,6]] - \text{Already visited Node!}$
 $[[7,5,2][1,3,4][8,0,6]] - f(n) = 13 + 8 = 21$

Node Chosen for Level 14 - $[[7,5,2][0,8,6][3,4,1]]$

Generated Nodes :

$[[0,5,2][7,8,6][3,4,1]] - f(n) = 14 + 7 = 21$
 $[[7,5,2][8,0,6][3,4,1]] - \text{Already visited Node!}$
 $[[7,5,2][3,8,6][0,4,1]] - f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - $[[7,5,2][0,4,6][8,3,1]]$

Generated Nodes :

$[[0,5,2][7,4,6][8,3,1]] - f(n) = 14 + 7 = 21$
 $[[7,5,2][4,0,6][8,3,1]] - f(n) = 14 + 6 = 20$
 $[[7,5,2][8,4,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 14 - $[[5,2,4][7,8,0][3,1,6]]$

Generated Nodes :

$[[5,2,0][7,8,4][3,1,6]] - \text{Already visited Node!}$
 $[[5,2,4][7,0,8][3,1,6]] - f(n) = 14 + 7 = 21$
 $[[5,2,4][7,8,6][3,1,0]] - f(n) = 14 + 6 = 20$

Node Chosen for Level 14 - $[[7,5,2][3,4,0][1,8,6]]$

Generated Nodes :

$[[7,5,0][3,4,2][1,8,6]] - f(n) = 14 + 7 = 21$
 $[[7,5,2][3,0,4][1,8,6]] - \text{Already visited Node!}$
 $[[7,5,2][3,4,6][1,8,0]] - f(n) = 14 + 6 = 20$

Node Chosen for Level 14 - $[[7,5,2][0,3,4][1,8,6]]$

Generated Nodes :

$[[0,5,2][7,3,4][1,8,6]] - f(n) = 14 + 7 = 21$
 $[[7,5,2][3,0,4][1,8,6]] - \text{Already visited Node!}$
 $[[7,5,2][1,3,4][0,8,6]] - f(n) = 14 + 7 = 21$

Node Chosen for Level 15 - $[[0,7,2][8,5,6][3,4,1]]$

Generated Nodes :

$[[7,0,2][8,5,6][3,4,1]] - \text{Already visited Node!}$
 $[[8,7,2][0,5,6][3,4,1]] - f(n) = 15 + 6 = 21$

Node Chosen for Level 15 - $[[0,7,2][3,5,4][1,8,6]]$

Generated Nodes :

$[[7,0,2][3,5,4][1,8,6]] - \text{Already visited Node!}$
 $[[3,7,2][0,5,4][1,8,6]] - f(n) = 15 + 6 = 21$

Node Chosen for Level 16 - $[[7,2,4][3,5,0][1,8,6]]$

Generated Nodes :

$[[7,2,0][3,5,4][1,8,6]] - \text{Already visited Node!}$
 $[[7,2,4][3,0,5][1,8,6]] - f(n) = 16 + 6 = 22$
 $[[7,2,4][3,5,6][1,8,0]] - f(n) = 16 + 4 = 20$

Node Chosen for Level 14 – [[7,0,2][8,5,1][3,6,4]]

Generated Nodes :

[[7,2,0][8,5,1][3,6,4]] – $f(n) = 14 + 6 = 20$
[[0,7,2][8,5,1][3,6,4]] – $f(n) = 14 + 7 = 21$
[[7,5,2][8,0,1][3,6,4]] – Already visited Node!

Node Chosen for Level 14 – [[7,0,2][1,5,4][8,3,6]]

Generated Nodes :

[[7,2,0][1,5,4][8,3,6]] – $f(n) = 14 + 6 = 20$
[[0,7,2][1,5,4][8,3,6]] – $f(n) = 14 + 7 = 21$
[[7,5,2][1,0,4][8,3,6]] – Already visited Node!

Node Chosen for Level 15 – [[7,5,2][4,0,6][8,3,1]]

Generated Nodes :

[[7,0,2][4,5,6][8,3,1]] – $f(n) = 15 + 5 = 20$
[[7,5,2][4,6,0][8,3,1]] – $f(n) = 15 + 7 = 22$
[[7,5,2][0,4,6][8,3,1]] – Already visited Node!
[[7,5,2][4,3,6][8,0,1]] – $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 – [[5,2,4][7,8,6][3,1,0]]

Generated Nodes :

[[5,2,4][7,8,0][3,1,6]] – Already visited Node!
[[5,2,4][7,8,6][3,0,1]] – $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 – [[7,5,2][3,4,6][1,8,0]]

Generated Nodes :

[[7,5,2][3,4,0][1,8,6]] – Already visited Node!
[[7,5,2][3,4,6][1,0,8]] – $f(n) = 15 + 7 = 22$

Node Chosen for Level 17 – [[7,2,4][3,5,6][1,8,0]]

Generated Nodes :

[[7,2,4][3,5,0][1,8,6]] – Already visited Node!
[[7,2,4][3,5,6][1,0,8]] – $f(n) = 17 + 5 = 22$

Node Chosen for Level 15 – [[7,2,0][8,5,1][3,6,4]]

Generated Nodes :

[[7,0,2][8,5,1][3,6,4]] – Already visited Node!
[[7,2,1][8,5,0][3,6,4]] – $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 - $[[7,2,0][1,5,4][8,3,6]]$

Generated Nodes :

$[[7,0,2][1,5,4][8,3,6]]$ - Already visited Node!
 $[[7,2,4][1,5,0][8,3,6]]$ - $f(n) = 15 + 6 = 21$

Node Chosen for Level 16 - $[[7,0,2][4,5,6][8,3,1]]$

Generated Nodes :

$[[7,2,0][4,5,6][8,3,1]]$ - $f(n) = 16 + 4 = 20$
 $[[0,7,2][4,5,6][8,3,1]]$ - $f(n) = 16 + 5 = 21$
 $[[7,5,2][4,0,6][8,3,1]]$ - Already visited Node!

Node Chosen for Level 17 - $[[7,2,0][4,5,6][8,3,1]]$

Generated Nodes :

$[[7,0,2][4,5,6][8,3,1]]$ - Already visited Node!
 $[[7,2,6][4,5,0][8,3,1]]$ - $f(n) = 17 + 5 = 22$

Node Chosen for Level 14 - $[[7,5,2][8,6,0][3,4,1]]$

Generated Nodes :

$[[7,5,0][8,6,2][3,4,1]]$ - $f(n) = 14 + 8 = 22$
 $[[7,5,2][8,0,6][3,4,1]]$ - Already visited Node!
 $[[7,5,2][8,6,1][3,4,0]]$ - $f(n) = 14 + 8 = 22$

Node Chosen for Level 16 - $[[7,2,6][8,5,0][3,4,1]]$

Generated Nodes :

$[[7,2,0][8,5,6][3,4,1]]$ - Already visited Node!
 $[[7,2,6][8,0,5][3,4,1]]$ - $f(n) = 16 + 7 = 23$
 $[[7,2,6][8,5,1][3,4,0]]$ - $f(n) = 16 + 6 = 22$

Node Chosen for Level 14 - $[[8,7,5][0,4,2][3,1,6]]$

Generated Nodes :

$[[0,7,5][8,4,2][3,1,6]]$ - Already visited Node!
 $[[8,7,5][4,0,2][3,1,6]]$ - $f(n) = 14 + 7 = 21$
 $[[8,7,5][3,4,2][0,1,6]]$ - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - $[[7,4,5][8,2,0][3,1,6]]$

Generated Nodes :

$[[7,4,0][8,2,5][3,1,6]]$ - $f(n) = 14 + 8 = 22$

[[7,4,5][8,0,2][3,1,6]] - Already visited Node!
[[7,4,5][8,2,6][3,1,0]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[7,4,5][0,8,2][3,1,6]]

Generated Nodes :

[[0,4,5][7,8,2][3,1,6]] - $f(n) = 14 + 8 = 22$
[[7,4,5][8,0,2][3,1,6]] - Already visited Node!
[[7,4,5][3,8,2][0,1,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[7,4,5][8,1,2][3,0,6]]

Generated Nodes :

[[7,4,5][8,0,2][3,1,6]] - Already visited Node!
[[7,4,5][8,1,2][3,6,0]] - $f(n) = 14 + 8 = 22$
[[7,4,5][8,1,2][0,3,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[5,8,2][7,4,0][3,1,6]]

Generated Nodes :

[[5,8,0][7,4,2][3,1,6]] - $f(n) = 14 + 8 = 22$
[[5,8,2][7,0,4][3,1,6]] - Already visited Node!
[[5,8,2][7,4,6][3,1,0]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[5,8,2][0,7,4][3,1,6]]

Generated Nodes :

[[0,8,2][5,7,4][3,1,6]] - $f(n) = 14 + 8 = 22$
[[5,8,2][7,0,4][3,1,6]] - Already visited Node!
[[5,8,2][3,7,4][0,1,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[5,8,2][7,1,4][3,0,6]]

Generated Nodes :

[[5,8,2][7,0,4][3,1,6]] - Already visited Node!
[[5,8,2][7,1,4][3,6,0]] - $f(n) = 14 + 8 = 22$
[[5,8,2][7,1,4][0,3,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[7,5,2][3,8,0][1,6,4]]

Generated Nodes :

[[7,5,0][3,8,2][1,6,4]] - $f(n) = 14 + 8 = 22$
[[7,5,2][3,0,8][1,6,4]] - $f(n) = 14 + 8 = 22$
[[7,5,2][3,8,4][1,6,0]] - Already visited Node!

Node Chosen for Level 14 - [[7,0,5][8,1,2][3,6,4]]

Generated Nodes :

[[7,5,0][8,1,2][3,6,4]] - Already visited Node!
[[0,7,5][8,1,2][3,6,4]] - $f(n) = 14 + 8 = 22$
[[7,1,5][8,0,2][3,6,4]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[7,5,2][0,8,1][3,6,4]]

Generated Nodes :

[[0,5,2][7,8,1][3,6,4]] - $f(n) = 14 + 8 = 22$
[[7,5,2][8,0,1][3,6,4]] - Already visited Node!
[[7,5,2][3,8,1][0,6,4]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[7,5,2][8,6,1][3,0,4]]

Generated Nodes :

[[7,5,2][8,0,1][3,6,4]] - Already visited Node!
[[7,5,2][8,6,1][3,4,0]] - $f(n) = 14 + 8 = 22$
[[7,5,2][8,6,1][0,3,4]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[5,0,2][7,1,4][8,3,6]]

Generated Nodes :

[[5,2,0][7,1,4][8,3,6]] - $f(n) = 14 + 7 = 21$
[[0,5,2][7,1,4][8,3,6]] - Already visited Node!
[[5,1,2][7,0,4][8,3,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[7,5,2][1,4,0][8,3,6]]

Generated Nodes :

[[7,5,0][1,4,2][8,3,6]] - $f(n) = 14 + 8 = 22$
[[7,5,2][1,0,4][8,3,6]] - Already visited Node!
[[7,5,2][1,4,6][8,3,0]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[7,5,2][1,3,4][8,0,6]]

Generated Nodes :

[[7,5,2][1,0,4][8,3,6]] - Already visited Node!
[[7,5,2][1,3,4][8,6,0]] - $f(n) = 14 + 8 = 22$
[[7,5,2][1,3,4][0,8,6]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 15 - [[0,5,2][7,8,6][3,4,1]]

Generated Nodes :

[[5,0,2][7,8,6][3,4,1]] - $f(n) = 15 + 7 = 22$

[[7,5,2][0,8,6][3,4,1]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][3,8,6][0,4,1]]

Generated Nodes :

[[7,5,2][0,8,6][3,4,1]] - Already visited Node!

[[7,5,2][3,8,6][4,0,1]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[0,5,2][7,4,6][8,3,1]]

Generated Nodes :

[[5,0,2][7,4,6][8,3,1]] - $f(n) = 15 + 7 = 22$

[[7,5,2][0,4,6][8,3,1]] - Already visited Node!

Node Chosen for Level 15 - [[5,2,4][7,0,8][3,1,6]]

Generated Nodes :

[[5,0,4][7,2,8][3,1,6]] - $f(n) = 15 + 8 = 23$

[[5,2,4][7,8,0][3,1,6]] - Already visited Node!

[[5,2,4][0,7,8][3,1,6]] - $f(n) = 15 + 7 = 22$

[[5,2,4][7,1,8][3,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[7,5,0][3,4,2][1,8,6]]

Generated Nodes :

[[7,0,5][3,4,2][1,8,6]] - $f(n) = 15 + 7 = 22$

[[7,5,2][3,4,0][1,8,6]] - Already visited Node!

Node Chosen for Level 15 - [[0,5,2][7,3,4][1,8,6]]

Generated Nodes :

[[5,0,2][7,3,4][1,8,6]] - $f(n) = 15 + 7 = 22$

[[7,5,2][0,3,4][1,8,6]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][1,3,4][0,8,6]]

Generated Nodes :

[[7,5,2][0,3,4][1,8,6]] - Already visited Node!

[[7,5,2][1,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 16 - [[8,7,2][0,5,6][3,4,1]]

Generated Nodes :

[[0,7,2][8,5,6][3,4,1]] - Already visited Node!

[[8,7,2][5,0,6][3,4,1]] - $f(n) = 16 + 7 = 23$

$[[8,7,2][3,5,6][0,4,1]] - f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - $[[3,7,2][0,5,4][1,8,6]]$

Generated Nodes :

$[[0,7,2][3,5,4][1,8,6]]$ - Already visited Node!

$[[3,7,2][5,0,4][1,8,6]] - f(n) = 16 + 7 = 23$

$[[3,7,2][1,5,4][0,8,6]] - f(n) = 16 + 6 = 22$

Node Chosen for Level 15 - $[[0,7,2][8,5,1][3,6,4]]$

Generated Nodes :

$[[7,0,2][8,5,1][3,6,4]]$ - Already visited Node!

$[[8,7,2][0,5,1][3,6,4]] - f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - $[[0,7,2][1,5,4][8,3,6]]$

Generated Nodes :

$[[7,0,2][1,5,4][8,3,6]]$ - Already visited Node!

$[[1,7,2][0,5,4][8,3,6]] - f(n) = 15 + 6 = 21$

Node Chosen for Level 16 - $[[7,5,2][4,3,6][8,0,1]]$

Generated Nodes :

$[[7,5,2][4,0,6][8,3,1]]$ - Already visited Node!

$[[7,5,2][4,3,6][8,1,0]] - f(n) = 16 + 6 = 22$

$[[7,5,2][4,3,6][0,8,1]] - f(n) = 16 + 5 = 21$

Node Chosen for Level 16 - $[[5,2,4][7,8,6][3,0,1]]$

Generated Nodes :

$[[5,2,4][7,0,6][3,8,1]] - f(n) = 16 + 5 = 21$

$[[5,2,4][7,8,6][3,1,0]]$ - Already visited Node!

$[[5,2,4][7,8,6][0,3,1]] - f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - $[[7,2,1][8,5,0][3,6,4]]$

Generated Nodes :

$[[7,2,0][8,5,1][3,6,4]]$ - Already visited Node!

$[[7,2,1][8,0,5][3,6,4]] - f(n) = 16 + 7 = 23$

$[[7,2,1][8,5,4][3,6,0]] - f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - $[[7,2,4][1,5,0][8,3,6]]$

Generated Nodes :

[[7,2,0][1,5,4][8,3,6]] - Already visited Node!
[[7,2,4][1,0,5][8,3,6]] - $f(n) = 16 + 7 = 23$
[[7,2,4][1,5,6][8,3,0]] - $f(n) = 16 + 5 = 21$

Node Chosen for Level 17 - [[0,7,2][4,5,6][8,3,1]]

Generated Nodes :

[[7,0,2][4,5,6][8,3,1]] - Already visited Node!
[[4,7,2][0,5,6][8,3,1]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 15 - [[8,7,5][4,0,2][3,1,6]]

Generated Nodes :

[[8,0,5][4,7,2][3,1,6]] - $f(n) = 15 + 7 = 22$
[[8,7,5][4,2,0][3,1,6]] - $f(n) = 15 + 7 = 22$
[[8,7,5][0,4,2][3,1,6]] - Already visited Node!
[[8,7,5][4,1,2][3,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[7,4,5][8,2,6][3,1,0]]

Generated Nodes :

[[7,4,5][8,2,0][3,1,6]] - Already visited Node!
[[7,4,5][8,2,6][3,0,1]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[5,8,2][7,4,6][3,1,0]]

Generated Nodes :

[[5,8,2][7,4,0][3,1,6]] - Already visited Node!
[[5,8,2][7,4,6][3,0,1]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[5,2,0][7,1,4][8,3,6]]

Generated Nodes :

[[5,0,2][7,1,4][8,3,6]] - Already visited Node!
[[5,2,4][7,1,0][8,3,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[7,5,2][1,4,6][8,3,0]]

Generated Nodes :

[[7,5,2][1,4,0][8,3,6]] - Already visited Node!
[[7,5,2][1,4,6][8,0,3]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[7,5,2][1,3,4][0,8,6]]

Generated Nodes :

[[7,5,2][0,3,4][1,8,6]] - Already visited Node!
[[7,5,2][1,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 16 - [[1,7,2][0,5,4][8,3,6]]

Generated Nodes :

[[0,7,2][1,5,4][8,3,6]] - Already visited Node!
[[1,7,2][5,0,4][8,3,6]] - $f(n) = 16 + 7 = 23$
[[1,7,2][8,5,4][0,3,6]] - $f(n) = 16 + 6 = 22$

Node Chosen for Level 17 - [[7,5,2][4,3,6][0,8,1]]

Generated Nodes :

[[7,5,2][0,3,6][4,8,1]] - $f(n) = 17 + 6 = 23$
[[7,5,2][4,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 17 - [[5,2,4][7,0,6][3,8,1]]

Generated Nodes :

[[5,0,4][7,2,6][3,8,1]] - $f(n) = 17 + 6 = 23$
[[5,2,4][7,6,0][3,8,1]] - $f(n) = 17 + 6 = 23$
[[5,2,4][0,7,6][3,8,1]] - $f(n) = 17 + 5 = 22$
[[5,2,4][7,8,6][3,0,1]] - Already visited Node!

Node Chosen for Level 17 - [[7,2,4][1,5,6][8,3,0]]

Generated Nodes :

[[7,2,4][1,5,0][8,3,6]] - Already visited Node!
[[7,2,4][1,5,6][8,0,3]] - $f(n) = 17 + 5 = 22$

Node Chosen for Level 17 - [[7,2,4][3,0,5][1,8,6]]

Generated Nodes :

[[7,0,4][3,2,5][1,8,6]] - $f(n) = 17 + 7 = 24$
[[7,2,4][3,5,0][1,8,6]] - Already visited Node!
[[7,2,4][0,3,5][1,8,6]] - $f(n) = 17 + 6 = 23$
[[7,2,4][3,8,5][1,0,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 16 - [[7,5,2][4,6,0][8,3,1]]

Generated Nodes :

[[7,5,0][4,6,2][8,3,1]] - $f(n) = 16 + 7 = 23$
[[7,5,2][4,0,6][8,3,1]] - Already visited Node!
[[7,5,2][4,6,1][8,3,0]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[7,5,2][3,4,6][1,0,8]]

Generated Nodes :

[[7,5,2][3,0,6][1,4,8]] - $f(n) = 16 + 7 = 23$
[[7,5,2][3,4,6][1,8,0]] - Already visited Node!
[[7,5,2][3,4,6][0,1,8]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 18 - [[7,2,4][3,5,6][1,0,8]]

Generated Nodes :

[[7,2,4][3,0,6][1,5,8]] - $f(n) = 18 + 6 = 24$
[[7,2,4][3,5,6][1,8,0]] - Already visited Node!
[[7,2,4][3,5,6][0,1,8]] - $f(n) = 18 + 5 = 23$

Node Chosen for Level 18 - [[7,2,6][4,5,0][8,3,1]]

Generated Nodes :

[[7,2,0][4,5,6][8,3,1]] - Already visited Node!
[[7,2,6][4,0,5][8,3,1]] - $f(n) = 18 + 6 = 24$
[[7,2,6][4,5,1][8,3,0]] - $f(n) = 18 + 5 = 23$

Node Chosen for Level 15 - [[7,5,0][8,6,2][3,4,1]]

Generated Nodes :

[[7,0,5][8,6,2][3,4,1]] - $f(n) = 15 + 8 = 23$
[[7,5,2][8,6,0][3,4,1]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][8,6,1][3,4,0]]

Generated Nodes :

[[7,5,2][8,6,0][3,4,1]] - Already visited Node!
[[7,5,2][8,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 17 - [[7,2,6][8,5,1][3,4,0]]

Generated Nodes :

[[7,2,6][8,5,0][3,4,1]] - Already visited Node!
[[7,2,6][8,5,1][3,0,4]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 15 - [[8,7,5][3,4,2][0,1,6]]

Generated Nodes :

[[8,7,5][0,4,2][3,1,6]] - Already visited Node!
[[8,7,5][3,4,2][1,0,6]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[7,4,0][8,2,5][3,1,6]]

Generated Nodes :

[[7,0,4][8,2,5][3,1,6]] - $f(n) = 15 + 8 = 23$
[[7,4,5][8,2,0][3,1,6]] - Already visited Node!

Node Chosen for Level 15 - [[0,4,5][7,8,2][3,1,6]]

Generated Nodes :

[[4,0,5][7,8,2][3,1,6]] - $f(n) = 15 + 8 = 23$
[[7,4,5][0,8,2][3,1,6]] - Already visited Node!

Node Chosen for Level 15 - [[7,4,5][3,8,2][0,1,6]]

Generated Nodes :

[[7,4,5][0,8,2][3,1,6]] - Already visited Node!
[[7,4,5][3,8,2][1,0,6]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[7,4,5][8,1,2][3,6,0]]

Generated Nodes :

[[7,4,5][8,1,0][3,6,2]] - $f(n) = 15 + 8 = 23$
[[7,4,5][8,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 15 - [[7,4,5][8,1,2][0,3,6]]

Generated Nodes :

[[7,4,5][0,1,2][8,3,6]] - $f(n) = 15 + 8 = 23$
[[7,4,5][8,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 15 - [[5,8,0][7,4,2][3,1,6]]

Generated Nodes :

[[5,0,8][7,4,2][3,1,6]] - $f(n) = 15 + 8 = 23$
[[5,8,2][7,4,0][3,1,6]] - Already visited Node!

Node Chosen for Level 15 - [[0,8,2][5,7,4][3,1,6]]

Generated Nodes :

[[8,0,2][5,7,4][3,1,6]] - $f(n) = 15 + 8 = 23$
[[5,8,2][0,7,4][3,1,6]] - Already visited Node!

Node Chosen for Level 15 - [[5,8,2][3,7,4][0,1,6]]

Generated Nodes :

[[5,8,2][0,7,4][3,1,6]] - Already visited Node!
[[5,8,2][3,7,4][1,0,6]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[5,8,2][7,1,4][3,6,0]]

Generated Nodes :

[[5,8,2][7,1,0][3,6,4]] - $f(n) = 15 + 8 = 23$
[[5,8,2][7,1,4][3,0,6]] - Already visited Node!

Node Chosen for Level 15 - [[5,8,2][7,1,4][0,3,6]]

Generated Nodes :

[[5,8,2][0,1,4][7,3,6]] - $f(n) = 15 + 7 = 22$
[[5,8,2][7,1,4][3,0,6]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,0][3,8,2][1,6,4]]

Generated Nodes :

[[7,0,5][3,8,2][1,6,4]] - $f(n) = 15 + 8 = 23$
[[7,5,2][3,8,0][1,6,4]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][3,0,8][1,6,4]]

Generated Nodes :

[[7,0,2][3,5,8][1,6,4]] - $f(n) = 15 + 7 = 22$
[[7,5,2][3,8,0][1,6,4]] - Already visited Node!
[[7,5,2][0,3,8][1,6,4]] - $f(n) = 15 + 8 = 23$
[[7,5,2][3,6,8][1,0,4]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[0,7,5][8,1,2][3,6,4]]

Generated Nodes :

[[7,0,5][8,1,2][3,6,4]] - Already visited Node!
[[8,7,5][0,1,2][3,6,4]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[7,1,5][8,0,2][3,6,4]]

Generated Nodes :

[[7,0,5][8,1,2][3,6,4]] - Already visited Node!
[[7,1,5][8,2,0][3,6,4]] - $f(n) = 15 + 8 = 23$
[[7,1,5][0,8,2][3,6,4]] - $f(n) = 15 + 8 = 23$
[[7,1,5][8,6,2][3,0,4]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[0,5,2][7,8,1][3,6,4]]

Generated Nodes :

[[5,0,2][7,8,1][3,6,4]] - $f(n) = 15 + 8 = 23$
[[7,5,2][0,8,1][3,6,4]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][3,8,1][0,6,4]]

Generated Nodes :

[[7,5,2][0,8,1][3,6,4]] - Already visited Node!
[[7,5,2][3,8,1][6,0,4]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[7,5,2][8,6,1][3,4,0]]

Generated Nodes :

[[7,5,2][8,6,0][3,4,1]] - Already visited Node!
[[7,5,2][8,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][8,6,1][0,3,4]]

Generated Nodes :

[[7,5,2][0,6,1][8,3,4]] - $f(n) = 15 + 8 = 23$
[[7,5,2][8,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 15 - [[5,1,2][7,0,4][8,3,6]]

Generated Nodes :

[[5,0,2][7,1,4][8,3,6]] - Already visited Node!
[[5,1,2][7,4,0][8,3,6]] - $f(n) = 15 + 8 = 23$
[[5,1,2][0,7,4][8,3,6]] - $f(n) = 15 + 8 = 23$
[[5,1,2][7,3,4][8,0,6]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[7,5,0][1,4,2][8,3,6]]

Generated Nodes :

[[7,0,5][1,4,2][8,3,6]] - $f(n) = 15 + 8 = 23$
[[7,5,2][1,4,0][8,3,6]] - Already visited Node!

Node Chosen for Level 15 - [[7,5,2][1,3,4][8,6,0]]

Generated Nodes :

[[7,5,2][1,3,0][8,6,4]] - $f(n) = 15 + 8 = 23$
[[7,5,2][1,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 16 - [[5,0,2][7,8,6][3,4,1]]

Generated Nodes :

$[[5,2,0][7,8,6][3,4,1]] - f(n) = 16 + 6 = 22$
 $[[0,5,2][7,8,6][3,4,1]] - \text{Already visited Node!}$
 $[[5,8,2][7,0,6][3,4,1]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[7,5,2][3,8,6][4,0,1]]$

Generated Nodes :

$[[7,5,2][3,0,6][4,8,1]] - f(n) = 16 + 6 = 22$
 $[[7,5,2][3,8,6][4,1,0]] - f(n) = 16 + 7 = 23$
 $[[7,5,2][3,8,6][0,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[5,0,2][7,4,6][8,3,1]]$

Generated Nodes :

$[[5,2,0][7,4,6][8,3,1]] - f(n) = 16 + 6 = 22$
 $[[0,5,2][7,4,6][8,3,1]] - \text{Already visited Node!}$
 $[[5,4,2][7,0,6][8,3,1]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[5,2,4][0,7,8][3,1,6]]$

Generated Nodes :

$[[0,2,4][5,7,8][3,1,6]] - f(n) = 16 + 7 = 23$
 $[[5,2,4][7,0,8][3,1,6]] - \text{Already visited Node!}$
 $[[5,2,4][3,7,8][0,1,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[5,2,4][7,1,8][3,0,6]]$

Generated Nodes :

$[[5,2,4][7,0,8][3,1,6]] - \text{Already visited Node!}$
 $[[5,2,4][7,1,8][3,6,0]] - f(n) = 16 + 7 = 23$
 $[[5,2,4][7,1,8][0,3,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[7,0,5][3,4,2][1,8,6]]$

Generated Nodes :

$[[7,5,0][3,4,2][1,8,6]] - \text{Already visited Node!}$
 $[[0,7,5][3,4,2][1,8,6]] - f(n) = 16 + 7 = 23$
 $[[7,4,5][3,0,2][1,8,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[5,0,2][7,3,4][1,8,6]]$

Generated Nodes :

$[[5,2,0][7,3,4][1,8,6]] - f(n) = 16 + 6 = 22$
 $[[0,5,2][7,3,4][1,8,6]] - \text{Already visited Node!}$
 $[[5,3,2][7,0,4][1,8,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 17 – [[8,7,2][3,5,6][0,4,1]]

Generated Nodes :

[[8,7,2][0,5,6][3,4,1]] – Already visited Node!
[[8,7,2][3,5,6][4,0,1]] – $f(n) = 17 + 6 = 23$

Node Chosen for Level 17 – [[3,7,2][1,5,4][0,8,6]]

Generated Nodes :

[[3,7,2][0,5,4][1,8,6]] – Already visited Node!
[[3,7,2][1,5,4][8,0,6]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 16 – [[8,7,2][0,5,1][3,6,4]]

Generated Nodes :

[[0,7,2][8,5,1][3,6,4]] – Already visited Node!
[[8,7,2][5,0,1][3,6,4]] – $f(n) = 16 + 8 = 24$
[[8,7,2][3,5,1][0,6,4]] – $f(n) = 16 + 7 = 23$

Node Chosen for Level 17 – [[7,5,2][4,3,6][8,1,0]]

Generated Nodes :

[[7,5,2][4,3,0][8,1,6]] – $f(n) = 17 + 7 = 24$
[[7,5,2][4,3,6][8,0,1]] – Already visited Node!

Node Chosen for Level 17 – [[5,2,4][7,8,6][0,3,1]]

Generated Nodes :

[[5,2,4][0,8,6][7,3,1]] – $f(n) = 17 + 5 = 22$
[[5,2,4][7,8,6][3,0,1]] – Already visited Node!

Node Chosen for Level 17 – [[7,2,1][8,5,4][3,6,0]]

Generated Nodes :

[[7,2,1][8,5,0][3,6,4]] – Already visited Node!
[[7,2,1][8,5,4][3,0,6]] – $f(n) = 17 + 6 = 23$

Node Chosen for Level 16 – [[8,0,5][4,7,2][3,1,6]]

Generated Nodes :

[[8,5,0][4,7,2][3,1,6]] – $f(n) = 16 + 7 = 23$
[[0,8,5][4,7,2][3,1,6]] – $f(n) = 16 + 7 = 23$
[[8,7,5][4,0,2][3,1,6]] – Already visited Node!

Node Chosen for Level 16 – [[8,7,5][4,2,0][3,1,6]]

Generated Nodes :

[[8,7,0][4,2,5][3,1,6]] - $f(n) = 16 + 7 = 23$
[[8,7,5][4,0,2][3,1,6]] - Already visited Node!
[[8,7,5][4,2,6][3,1,0]] - $f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - [[8,7,5][4,1,2][3,0,6]]

Generated Nodes :

[[8,7,5][4,0,2][3,1,6]] - Already visited Node!
[[8,7,5][4,1,2][3,6,0]] - $f(n) = 16 + 7 = 23$
[[8,7,5][4,1,2][0,3,6]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[7,4,5][8,2,6][3,0,1]]

Generated Nodes :

[[7,4,5][8,0,6][3,2,1]] - $f(n) = 16 + 7 = 23$
[[7,4,5][8,2,6][3,1,0]] - Already visited Node!
[[7,4,5][8,2,6][0,3,1]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[5,8,2][7,4,6][3,0,1]]

Generated Nodes :

[[5,8,2][7,0,6][3,4,1]] - $f(n) = 16 + 7 = 23$
[[5,8,2][7,4,6][3,1,0]] - Already visited Node!
[[5,8,2][7,4,6][0,3,1]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[5,2,4][7,1,0][8,3,6]]

Generated Nodes :

[[5,2,0][7,1,4][8,3,6]] - Already visited Node!
[[5,2,4][7,0,1][8,3,6]] - $f(n) = 16 + 7 = 23$
[[5,2,4][7,1,6][8,3,0]] - $f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - [[7,5,2][1,4,6][8,0,3]]

Generated Nodes :

[[7,5,2][1,0,6][8,4,3]] - $f(n) = 16 + 7 = 23$
[[7,5,2][1,4,6][8,3,0]] - Already visited Node!
[[7,5,2][1,4,6][0,8,3]] - $f(n) = 16 + 6 = 22$

Node Chosen for Level 17 - [[1,7,2][8,5,4][0,3,6]]

Generated Nodes :

[[1,7,2][0,5,4][8,3,6]] - Already visited Node!

[[1,7,2][8,5,4][3,0,6]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 18 - [[5,2,4][0,7,6][3,8,1]]

Generated Nodes :

[[0,2,4][5,7,6][3,8,1]] - $f(n) = 18 + 5 = 23$
[[5,2,4][7,0,6][3,8,1]] - Already visited Node!
[[5,2,4][3,7,6][0,8,1]] - $f(n) = 18 + 5 = 23$

Node Chosen for Level 18 - [[7,2,4][1,5,6][8,0,3]]

Generated Nodes :

[[7,2,4][1,0,6][8,5,3]] - $f(n) = 18 + 6 = 24$
[[7,2,4][1,5,6][8,3,0]] - Already visited Node!
[[7,2,4][1,5,6][0,8,3]] - $f(n) = 18 + 4 = 22$

Node Chosen for Level 16 - [[5,8,2][0,1,4][7,3,6]]

Generated Nodes :

[[0,8,2][5,1,4][7,3,6]] - $f(n) = 16 + 7 = 23$
[[5,8,2][1,0,4][7,3,6]] - $f(n) = 16 + 7 = 23$
[[5,8,2][7,1,4][0,3,6]] - Already visited Node!

Node Chosen for Level 16 - [[7,0,2][3,5,8][1,6,4]]

Generated Nodes :

[[7,2,0][3,5,8][1,6,4]] - $f(n) = 16 + 6 = 22$
[[0,7,2][3,5,8][1,6,4]] - $f(n) = 16 + 7 = 23$
[[7,5,2][3,0,8][1,6,4]] - Already visited Node!

Node Chosen for Level 17 - [[5,2,0][7,8,6][3,4,1]]

Generated Nodes :

[[5,0,2][7,8,6][3,4,1]] - Already visited Node!
[[5,2,6][7,8,0][3,4,1]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[7,5,2][3,0,6][4,8,1]]

Generated Nodes :

[[7,0,2][3,5,6][4,8,1]] - $f(n) = 17 + 5 = 22$
[[7,5,2][3,6,0][4,8,1]] - $f(n) = 17 + 7 = 24$
[[7,5,2][0,3,6][4,8,1]] - $f(n) = 17 + 6 = 23$
[[7,5,2][3,8,6][4,0,1]] - Already visited Node!

Node Chosen for Level 17 - [[5,2,0][7,4,6][8,3,1]]

Generated Nodes :

[[5,0,2][7,4,6][8,3,1]] - Already visited Node!
[[5,2,6][7,4,0][8,3,1]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[5,2,0][7,3,4][1,8,6]]

Generated Nodes :

[[5,0,2][7,3,4][1,8,6]] - Already visited Node!
[[5,2,4][7,3,0][1,8,6]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 18 - [[5,2,4][0,8,6][7,3,1]]

Generated Nodes :

[[0,2,4][5,8,6][7,3,1]] - $f(n) = 18 + 5 = 23$
[[5,2,4][8,0,6][7,3,1]] - $f(n) = 18 + 5 = 23$
[[5,2,4][7,8,6][0,3,1]] - Already visited Node!

Node Chosen for Level 17 - [[8,7,5][4,2,6][3,1,0]]

Generated Nodes :

[[8,7,5][4,2,0][3,1,6]] - Already visited Node!
[[8,7,5][4,2,6][3,0,1]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 17 - [[5,2,4][7,1,6][8,3,0]]

Generated Nodes :

[[5,2,4][7,1,0][8,3,6]] - Already visited Node!
[[5,2,4][7,1,6][8,0,3]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 17 - [[7,5,2][1,4,6][0,8,3]]

Generated Nodes :

[[7,5,2][0,4,6][1,8,3]] - $f(n) = 17 + 6 = 23$
[[7,5,2][1,4,6][8,0,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,4][1,5,6][0,8,3]]

Generated Nodes :

[[7,2,4][0,5,6][1,8,3]] - $f(n) = 19 + 4 = 23$
[[7,2,4][1,5,6][8,0,3]] - Already visited Node!

Node Chosen for Level 17 - [[7,2,0][3,5,8][1,6,4]]

Generated Nodes :

[[7,0,2][3,5,8][1,6,4]] - Already visited Node!
[[7,2,8][3,5,0][1,6,4]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 18 - [[7,0,2][3,5,6][4,8,1]]

Generated Nodes :

[[7,2,0][3,5,6][4,8,1]] - $f(n) = 18 + 4 = 22$
[[0,7,2][3,5,6][4,8,1]] - $f(n) = 18 + 5 = 23$
[[7,5,2][3,0,6][4,8,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,0][3,5,6][4,8,1]]

Generated Nodes :

[[7,0,2][3,5,6][4,8,1]] - Already visited Node!
[[7,2,6][3,5,0][4,8,1]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 17 - [[7,2,6][8,0,5][3,4,1]]

Generated Nodes :

[[7,0,6][8,2,5][3,4,1]] - $f(n) = 17 + 8 = 25$
[[7,2,6][8,5,0][3,4,1]] - Already visited Node!
[[7,2,6][0,8,5][3,4,1]] - $f(n) = 17 + 7 = 24$
[[7,2,6][8,4,5][3,0,1]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 16 - [[5,0,4][7,2,8][3,1,6]]

Generated Nodes :

[[5,4,0][7,2,8][3,1,6]] - $f(n) = 16 + 8 = 24$
[[0,5,4][7,2,8][3,1,6]] - $f(n) = 16 + 8 = 24$
[[5,2,4][7,0,8][3,1,6]] - Already visited Node!

Node Chosen for Level 17 - [[8,7,2][5,0,6][3,4,1]]

Generated Nodes :

[[8,0,2][5,7,6][3,4,1]] - $f(n) = 17 + 7 = 24$
[[8,7,2][5,6,0][3,4,1]] - $f(n) = 17 + 8 = 25$
[[8,7,2][0,5,6][3,4,1]] - Already visited Node!
[[8,7,2][5,4,6][3,0,1]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[3,7,2][5,0,4][1,8,6]]

Generated Nodes :

[[3,0,2][5,7,4][1,8,6]] - $f(n) = 17 + 7 = 24$
[[3,7,2][5,4,0][1,8,6]] - $f(n) = 17 + 7 = 24$
[[3,7,2][0,5,4][1,8,6]] - Already visited Node!
[[3,7,2][5,8,4][1,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 – [[7,2,1][8,0,5][3,6,4]]

Generated Nodes :

[[7,0,1][8,2,5][3,6,4]] – $f(n) = 17 + 8 = 25$
[[7,2,1][8,5,0][3,6,4]] – Already visited Node!
[[7,2,1][0,8,5][3,6,4]] – $f(n) = 17 + 7 = 24$
[[7,2,1][8,6,5][3,0,4]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 – [[7,2,4][1,0,5][8,3,6]]

Generated Nodes :

[[7,0,4][1,2,5][8,3,6]] – $f(n) = 17 + 8 = 25$
[[7,2,4][1,5,0][8,3,6]] – Already visited Node!
[[7,2,4][0,1,5][8,3,6]] – $f(n) = 17 + 7 = 24$
[[7,2,4][1,3,5][8,0,6]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 18 – [[4,7,2][0,5,6][8,3,1]]

Generated Nodes :

[[0,7,2][4,5,6][8,3,1]] – Already visited Node!
[[4,7,2][5,0,6][8,3,1]] – $f(n) = 18 + 7 = 25$
[[4,7,2][8,5,6][0,3,1]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 17 – [[1,7,2][5,0,4][8,3,6]]

Generated Nodes :

[[1,0,2][5,7,4][8,3,6]] – $f(n) = 17 + 7 = 24$
[[1,7,2][5,4,0][8,3,6]] – $f(n) = 17 + 7 = 24$
[[1,7,2][0,5,4][8,3,6]] – Already visited Node!
[[1,7,2][5,3,4][8,0,6]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 18 – [[7,5,2][0,3,6][4,8,1]]

Generated Nodes :

[[0,5,2][7,3,6][4,8,1]] – $f(n) = 18 + 6 = 24$
[[7,5,2][3,0,6][4,8,1]] – Already visited Node!
[[7,5,2][4,3,6][0,8,1]] – Already visited Node!

Node Chosen for Level 18 – [[5,0,4][7,2,6][3,8,1]]

Generated Nodes :

[[5,4,0][7,2,6][3,8,1]] – $f(n) = 18 + 6 = 24$
[[0,5,4][7,2,6][3,8,1]] – $f(n) = 18 + 6 = 24$
[[5,2,4][7,0,6][3,8,1]] – Already visited Node!

Node Chosen for Level 18 – [[5,2,4][7,6,0][3,8,1]]

Generated Nodes :

[[5,2,0][7,6,4][3,8,1]] – $f(n) = 18 + 6 = 24$
[[5,2,4][7,0,6][3,8,1]] – Already visited Node!
[[5,2,4][7,6,1][3,8,0]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 – [[7,2,4][0,3,5][1,8,6]]

Generated Nodes :

[[0,2,4][7,3,5][1,8,6]] – $f(n) = 18 + 6 = 24$
[[7,2,4][3,0,5][1,8,6]] – Already visited Node!
[[7,2,4][1,3,5][0,8,6]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 17 – [[7,5,0][4,6,2][8,3,1]]

Generated Nodes :

[[7,0,5][4,6,2][8,3,1]] – $f(n) = 17 + 7 = 24$
[[7,5,2][4,6,0][8,3,1]] – Already visited Node!

Node Chosen for Level 17 – [[7,5,2][4,6,1][8,3,0]]

Generated Nodes :

[[7,5,2][4,6,0][8,3,1]] – Already visited Node!
[[7,5,2][4,6,1][8,0,3]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 – [[7,5,2][3,0,6][1,4,8]]

Generated Nodes :

[[7,0,2][3,5,6][1,4,8]] – $f(n) = 17 + 6 = 23$
[[7,5,2][3,6,0][1,4,8]] – $f(n) = 17 + 8 = 25$
[[7,5,2][0,3,6][1,4,8]] – $f(n) = 17 + 7 = 24$
[[7,5,2][3,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 17 – [[7,5,2][3,4,6][0,1,8]]

Generated Nodes :

[[7,5,2][0,4,6][3,1,8]] – $f(n) = 17 + 7 = 24$
[[7,5,2][3,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 19 – [[7,2,4][3,5,6][0,1,8]]

Generated Nodes :

[[7,2,4][0,5,6][3,1,8]] – $f(n) = 19 + 5 = 24$
[[7,2,4][3,5,6][1,0,8]] – Already visited Node!

Node Chosen for Level 19 – [[7,2,6][4,5,1][8,3,0]]

Generated Nodes :

[[7,2,6][4,5,0][8,3,1]] – Already visited Node!
[[7,2,6][4,5,1][8,0,3]] – $f(n) = 19 + 5 = 24$

Node Chosen for Level 16 – [[7,0,5][8,6,2][3,4,1]]

Generated Nodes :

[[7,5,0][8,6,2][3,4,1]] – Already visited Node!
[[0,7,5][8,6,2][3,4,1]] – $f(n) = 16 + 8 = 24$
[[7,6,5][8,0,2][3,4,1]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 18 – [[7,2,6][8,5,1][3,0,4]]

Generated Nodes :

[[7,2,6][8,0,1][3,5,4]] – $f(n) = 18 + 7 = 25$
[[7,2,6][8,5,1][3,4,0]] – Already visited Node!
[[7,2,6][8,5,1][0,3,4]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 16 – [[8,7,5][3,4,2][1,0,6]]

Generated Nodes :

[[8,7,5][3,0,2][1,4,6]] – $f(n) = 16 + 8 = 24$
[[8,7,5][3,4,2][1,6,0]] – $f(n) = 16 + 8 = 24$
[[8,7,5][3,4,2][0,1,6]] – Already visited Node!

Node Chosen for Level 16 – [[7,0,4][8,2,5][3,1,6]]

Generated Nodes :

[[7,4,0][8,2,5][3,1,6]] – Already visited Node!
[[0,7,4][8,2,5][3,1,6]] – $f(n) = 16 + 8 = 24$
[[7,2,4][8,0,5][3,1,6]] – Already visited Node!

Node Chosen for Level 16 – [[4,0,5][7,8,2][3,1,6]]

Generated Nodes :

[[4,5,0][7,8,2][3,1,6]] – $f(n) = 16 + 8 = 24$
[[0,4,5][7,8,2][3,1,6]] – Already visited Node!
[[4,8,5][7,0,2][3,1,6]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,4,5][3,8,2][1,0,6]]

Generated Nodes :

$[[7,4,5][3,0,2][1,8,6]] - f(n) = 16 + 7 = 23$
 $[[7,4,5][3,8,2][1,6,0]] - f(n) = 16 + 8 = 24$
 $[[7,4,5][3,8,2][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[7,4,5][8,1,0][3,6,2]]$

Generated Nodes :

$[[7,4,0][8,1,5][3,6,2]] - f(n) = 16 + 8 = 24$
 $[[7,4,5][8,0,1][3,6,2]] - f(n) = 16 + 8 = 24$
 $[[7,4,5][8,1,2][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[7,4,5][0,1,2][8,3,6]]$

Generated Nodes :

$[[0,4,5][7,1,2][8,3,6]] - f(n) = 16 + 8 = 24$
 $[[7,4,5][1,0,2][8,3,6]] - f(n) = 16 + 8 = 24$
 $[[7,4,5][8,1,2][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[5,0,8][7,4,2][3,1,6]]$

Generated Nodes :

$[[5,8,0][7,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[0,5,8][7,4,2][3,1,6]] - f(n) = 16 + 8 = 24$
 $[[5,4,8][7,0,2][3,1,6]] - f(n) = 16 + 8 = 24$

Node Chosen for Level 16 - $[[8,0,2][5,7,4][3,1,6]]$

Generated Nodes :

$[[8,2,0][5,7,4][3,1,6]] - f(n) = 16 + 7 = 23$
 $[[0,8,2][5,7,4][3,1,6]] - \text{Already visited Node!}$
 $[[8,7,2][5,0,4][3,1,6]] - f(n) = 16 + 8 = 24$

Node Chosen for Level 16 - $[[5,8,2][3,7,4][1,0,6]]$

Generated Nodes :

$[[5,8,2][3,0,4][1,7,6]] - f(n) = 16 + 8 = 24$
 $[[5,8,2][3,7,4][1,6,0]] - f(n) = 16 + 8 = 24$
 $[[5,8,2][3,7,4][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[5,8,2][7,1,0][3,6,4]]$

Generated Nodes :

$[[5,8,0][7,1,2][3,6,4]] - f(n) = 16 + 8 = 24$
 $[[5,8,2][7,0,1][3,6,4]] - f(n) = 16 + 8 = 24$
 $[[5,8,2][7,1,4][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 16 – [[7,0,5][3,8,2][1,6,4]]

Generated Nodes :

[[7,5,0][3,8,2][1,6,4]] – Already visited Node!
[[0,7,5][3,8,2][1,6,4]] – $f(n) = 16 + 8 = 24$
[[7,8,5][3,0,2][1,6,4]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,5,2][0,3,8][1,6,4]]

Generated Nodes :

[[0,5,2][7,3,8][1,6,4]] – $f(n) = 16 + 8 = 24$
[[7,5,2][3,0,8][1,6,4]] – Already visited Node!
[[7,5,2][1,3,8][0,6,4]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,5,2][3,6,8][1,0,4]]

Generated Nodes :

[[7,5,2][3,0,8][1,6,4]] – Already visited Node!
[[7,5,2][3,6,8][1,4,0]] – $f(n) = 16 + 8 = 24$
[[7,5,2][3,6,8][0,1,4]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[8,7,5][0,1,2][3,6,4]]

Generated Nodes :

[[0,7,5][8,1,2][3,6,4]] – Already visited Node!
[[8,7,5][1,0,2][3,6,4]] – $f(n) = 16 + 8 = 24$
[[8,7,5][3,1,2][0,6,4]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,1,5][8,2,0][3,6,4]]

Generated Nodes :

[[7,1,0][8,2,5][3,6,4]] – $f(n) = 16 + 8 = 24$
[[7,1,5][8,0,2][3,6,4]] – Already visited Node!
[[7,1,5][8,2,4][3,6,0]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,1,5][0,8,2][3,6,4]]

Generated Nodes :

[[0,1,5][7,8,2][3,6,4]] – $f(n) = 16 + 8 = 24$
[[7,1,5][8,0,2][3,6,4]] – Already visited Node!
[[7,1,5][3,8,2][0,6,4]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,1,5][8,6,2][3,0,4]]

Generated Nodes :

[[7,1,5][8,0,2][3,6,4]] - Already visited Node!
[[7,1,5][8,6,2][3,4,0]] - $f(n) = 16 + 8 = 24$
[[7,1,5][8,6,2][0,3,4]] - $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 - [[5,0,2][7,8,1][3,6,4]]

Generated Nodes :

[[5,2,0][7,8,1][3,6,4]] - $f(n) = 16 + 7 = 23$
[[0,5,2][7,8,1][3,6,4]] - Already visited Node!
[[5,8,2][7,0,1][3,6,4]] - $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 - [[7,5,2][3,8,1][6,0,4]]

Generated Nodes :

[[7,5,2][3,0,1][6,8,4]] - $f(n) = 16 + 7 = 23$
[[7,5,2][3,8,1][6,4,0]] - $f(n) = 16 + 8 = 24$
[[7,5,2][3,8,1][0,6,4]] - Already visited Node!

Node Chosen for Level 16 - [[7,5,2][0,6,1][8,3,4]]

Generated Nodes :

[[0,5,2][7,6,1][8,3,4]] - $f(n) = 16 + 8 = 24$
[[7,5,2][6,0,1][8,3,4]] - $f(n) = 16 + 8 = 24$
[[7,5,2][8,6,1][0,3,4]] - Already visited Node!

Node Chosen for Level 16 - [[5,1,2][7,4,0][8,3,6]]

Generated Nodes :

[[5,1,0][7,4,2][8,3,6]] - $f(n) = 16 + 8 = 24$
[[5,1,2][7,0,4][8,3,6]] - Already visited Node!
[[5,1,2][7,4,6][8,3,0]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[5,1,2][0,7,4][8,3,6]]

Generated Nodes :

[[0,1,2][5,7,4][8,3,6]] - $f(n) = 16 + 8 = 24$
[[5,1,2][7,0,4][8,3,6]] - Already visited Node!
[[5,1,2][8,7,4][0,3,6]] - $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 - [[5,1,2][7,3,4][8,0,6]]

Generated Nodes :

[[5,1,2][7,0,4][8,3,6]] - Already visited Node!
[[5,1,2][7,3,4][8,6,0]] - $f(n) = 16 + 8 = 24$
[[5,1,2][7,3,4][0,8,6]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 – [[7,0,5][1,4,2][8,3,6]]

Generated Nodes :

[[7,5,0][1,4,2][8,3,6]] – Already visited Node!
[[0,7,5][1,4,2][8,3,6]] – $f(n) = 16 + 8 = 24$
[[7,4,5][1,0,2][8,3,6]] – $f(n) = 16 + 8 = 24$

Node Chosen for Level 16 – [[7,5,2][1,3,0][8,6,4]]

Generated Nodes :

[[7,5,0][1,3,2][8,6,4]] – $f(n) = 16 + 8 = 24$
[[7,5,2][1,0,3][8,6,4]] – $f(n) = 16 + 8 = 24$
[[7,5,2][1,3,4][8,6,0]] – Already visited Node!

Node Chosen for Level 17 – [[5,8,2][7,0,6][3,4,1]]

Generated Nodes :

[[5,0,2][7,8,6][3,4,1]] – Already visited Node!
[[5,8,2][7,6,0][3,4,1]] – $f(n) = 17 + 8 = 25$
[[5,8,2][0,7,6][3,4,1]] – $f(n) = 17 + 7 = 24$
[[5,8,2][7,4,6][3,0,1]] – Already visited Node!

Node Chosen for Level 17 – [[7,5,2][3,8,6][4,1,0]]

Generated Nodes :

[[7,5,2][3,8,0][4,1,6]] – $f(n) = 17 + 8 = 25$
[[7,5,2][3,8,6][4,0,1]] – Already visited Node!

Node Chosen for Level 17 – [[5,4,2][7,0,6][8,3,1]]

Generated Nodes :

[[5,0,2][7,4,6][8,3,1]] – Already visited Node!
[[5,4,2][7,6,0][8,3,1]] – $f(n) = 17 + 8 = 25$
[[5,4,2][0,7,6][8,3,1]] – $f(n) = 17 + 7 = 24$
[[5,4,2][7,3,6][8,0,1]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 – [[0,2,4][5,7,8][3,1,6]]

Generated Nodes :

[[2,0,4][5,7,8][3,1,6]] – $f(n) = 17 + 8 = 25$
[[5,2,4][0,7,8][3,1,6]] – Already visited Node!

Node Chosen for Level 17 – [[5,2,4][3,7,8][0,1,6]]

Generated Nodes :

[[5,2,4][0,7,8][3,1,6]] - Already visited Node!
[[5,2,4][3,7,8][1,0,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[5,2,4][7,1,8][3,6,0]]

Generated Nodes :

[[5,2,4][7,1,0][3,6,8]] - $f(n) = 17 + 7 = 24$
[[5,2,4][7,1,8][3,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,2,4][7,1,8][0,3,6]]

Generated Nodes :

[[5,2,4][0,1,8][7,3,6]] - $f(n) = 17 + 6 = 23$
[[5,2,4][7,1,8][3,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[0,7,5][3,4,2][1,8,6]]

Generated Nodes :

[[7,0,5][3,4,2][1,8,6]] - Already visited Node!
[[3,7,5][0,4,2][1,8,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[7,4,5][3,0,2][1,8,6]]

Generated Nodes :

[[7,0,5][3,4,2][1,8,6]] - Already visited Node!
[[7,4,5][3,2,0][1,8,6]] - $f(n) = 17 + 7 = 24$
[[7,4,5][0,3,2][1,8,6]] - $f(n) = 17 + 7 = 24$
[[7,4,5][3,8,2][1,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,3,2][7,0,4][1,8,6]]

Generated Nodes :

[[5,0,2][7,3,4][1,8,6]] - Already visited Node!
[[5,3,2][7,4,0][1,8,6]] - $f(n) = 17 + 7 = 24$
[[5,3,2][0,7,4][1,8,6]] - $f(n) = 17 + 7 = 24$
[[5,3,2][7,8,4][1,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 18 - [[8,7,2][3,5,6][4,0,1]]

Generated Nodes :

[[8,7,2][3,0,6][4,5,1]] - $f(n) = 18 + 7 = 25$
[[8,7,2][3,5,6][4,1,0]] - $f(n) = 18 + 6 = 24$
[[8,7,2][3,5,6][0,4,1]] - Already visited Node!

Node Chosen for Level 17 - [[8,7,2][3,5,1][0,6,4]]

Generated Nodes :

[[8,7,2][0,5,1][3,6,4]] - Already visited Node!
[[8,7,2][3,5,1][6,0,4]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 18 - [[7,2,1][8,5,4][3,0,6]]

Generated Nodes :

[[7,2,1][8,0,4][3,5,6]] - $f(n) = 18 + 7 = 25$
[[7,2,1][8,5,4][3,6,0]] - Already visited Node!
[[7,2,1][8,5,4][0,3,6]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 17 - [[8,5,0][4,7,2][3,1,6]]

Generated Nodes :

[[8,0,5][4,7,2][3,1,6]] - Already visited Node!
[[8,5,2][4,7,0][3,1,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[0,8,5][4,7,2][3,1,6]]

Generated Nodes :

[[8,0,5][4,7,2][3,1,6]] - Already visited Node!
[[4,8,5][0,7,2][3,1,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[8,7,0][4,2,5][3,1,6]]

Generated Nodes :

[[8,0,7][4,2,5][3,1,6]] - $f(n) = 17 + 7 = 24$
[[8,7,5][4,2,0][3,1,6]] - Already visited Node!

Node Chosen for Level 17 - [[8,7,5][4,1,2][3,6,0]]

Generated Nodes :

[[8,7,5][4,1,0][3,6,2]] - $f(n) = 17 + 7 = 24$
[[8,7,5][4,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[8,7,5][4,1,2][0,3,6]]

Generated Nodes :

[[8,7,5][0,1,2][4,3,6]] - $f(n) = 17 + 8 = 25$
[[8,7,5][4,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[7,4,5][8,0,6][3,2,1]]

Generated Nodes :

$[[7,0,5][8,4,6][3,2,1]] - f(n) = 17 + 7 = 24$
 $[[7,4,5][8,6,0][3,2,1]] - f(n) = 17 + 8 = 25$
 $[[7,4,5][0,8,6][3,2,1]] - f(n) = 17 + 7 = 24$
 $[[7,4,5][8,2,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[7,4,5][8,2,6][0,3,1]]$

Generated Nodes :

$[[7,4,5][0,2,6][8,3,1]] - f(n) = 17 + 7 = 24$
 $[[7,4,5][8,2,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[5,8,2][7,0,6][3,4,1]]$

Generated Nodes :

$[[5,0,2][7,8,6][3,4,1]] - \text{Already visited Node!}$
 $[[5,8,2][7,6,0][3,4,1]] - f(n) = 17 + 8 = 25$
 $[[5,8,2][0,7,6][3,4,1]] - f(n) = 17 + 7 = 24$
 $[[5,8,2][7,4,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[5,8,2][7,4,6][0,3,1]]$

Generated Nodes :

$[[5,8,2][0,4,6][7,3,1]] - f(n) = 17 + 6 = 23$
 $[[5,8,2][7,4,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[5,2,4][7,0,1][8,3,6]]$

Generated Nodes :

$[[5,0,4][7,2,1][8,3,6]] - f(n) = 17 + 8 = 25$
 $[[5,2,4][7,1,0][8,3,6]] - \text{Already visited Node!}$
 $[[5,2,4][0,7,1][8,3,6]] - f(n) = 17 + 7 = 24$
 $[[5,2,4][7,3,1][8,0,6]] - f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - $[[7,5,2][1,0,6][8,4,3]]$

Generated Nodes :

$[[7,0,2][1,5,6][8,4,3]] - f(n) = 17 + 6 = 23$
 $[[7,5,2][1,6,0][8,4,3]] - f(n) = 17 + 8 = 25$
 $[[7,5,2][0,1,6][8,4,3]] - f(n) = 17 + 7 = 24$
 $[[7,5,2][1,4,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[1,7,2][8,5,4][3,0,6]]$

Generated Nodes :

$[[1,7,2][8,0,4][3,5,6]] - f(n) = 18 + 7 = 25$
 $[[1,7,2][8,5,4][3,6,0]] - f(n) = 18 + 6 = 24$

[[1,7,2][8,5,4][0,3,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,2,4][5,7,6][3,8,1]]

Generated Nodes :

[[2,0,4][5,7,6][3,8,1]] - $f(n) = 19 + 6 = 25$
[[5,2,4][0,7,6][3,8,1]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][3,7,6][0,8,1]]

Generated Nodes :

[[5,2,4][0,7,6][3,8,1]] - Already visited Node!
[[5,2,4][3,7,6][8,0,1]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 17 - [[0,8,2][5,1,4][7,3,6]]

Generated Nodes :

[[8,0,2][5,1,4][7,3,6]] - $f(n) = 17 + 7 = 24$
[[5,8,2][0,1,4][7,3,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,8,2][1,0,4][7,3,6]]

Generated Nodes :

[[5,0,2][1,8,4][7,3,6]] - $f(n) = 17 + 7 = 24$
[[5,8,2][1,4,0][7,3,6]] - $f(n) = 17 + 7 = 24$
[[5,8,2][0,1,4][7,3,6]] - Already visited Node!
[[5,8,2][1,3,4][7,0,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[0,7,2][3,5,8][1,6,4]]

Generated Nodes :

[[7,0,2][3,5,8][1,6,4]] - Already visited Node!
[[3,7,2][0,5,8][1,6,4]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 18 - [[7,5,2][0,3,6][4,8,1]]

Generated Nodes :

[[0,5,2][7,3,6][4,8,1]] - $f(n) = 18 + 6 = 24$
[[7,5,2][3,0,6][4,8,1]] - Already visited Node!
[[7,5,2][4,3,6][0,8,1]] - Already visited Node!

Node Chosen for Level 18 - [[5,2,4][7,3,0][1,8,6]]

Generated Nodes :

[[5,2,0][7,3,4][1,8,6]] - Already visited Node!

$[[5,2,4][7,0,3][1,8,6]] - f(n) = 18 + 6 = 24$
 $[[5,2,4][7,3,6][1,8,0]] - f(n) = 18 + 5 = 23$

Node Chosen for Level 19 – $[[0,2,4][5,8,6][7,3,1]]$

Generated Nodes :

$[[2,0,4][5,8,6][7,3,1]] - f(n) = 19 + 6 = 25$
 $[[5,2,4][0,8,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 – $[[5,2,4][8,0,6][7,3,1]]$

Generated Nodes :

$[[5,0,4][8,2,6][7,3,1]] - f(n) = 19 + 6 = 25$
 $[[5,2,4][8,6,0][7,3,1]] - f(n) = 19 + 6 = 25$
 $[[5,2,4][0,8,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,2,4][8,3,6][7,0,1]] - f(n) = 19 + 5 = 24$

Node Chosen for Level 18 – $[[8,7,5][4,2,6][3,0,1]]$

Generated Nodes :

$[[8,7,5][4,0,6][3,2,1]] - f(n) = 18 + 6 = 24$
 $[[8,7,5][4,2,6][3,1,0]] - \text{Already visited Node!}$
 $[[8,7,5][4,2,6][0,3,1]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 18 – $[[5,2,4][7,1,6][8,0,3]]$

Generated Nodes :

$[[5,2,4][7,0,6][8,1,3]] - f(n) = 18 + 6 = 24$
 $[[5,2,4][7,1,6][8,3,0]] - \text{Already visited Node!}$
 $[[5,2,4][7,1,6][0,8,3]] - f(n) = 18 + 5 = 23$

Node Chosen for Level 18 – $[[7,5,2][0,4,6][1,8,3]]$

Generated Nodes :

$[[0,5,2][7,4,6][1,8,3]] - f(n) = 18 + 6 = 24$
 $[[7,5,2][4,0,6][1,8,3]] - f(n) = 18 + 5 = 23$
 $[[7,5,2][1,4,6][0,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 20 – $[[7,2,4][0,5,6][1,8,3]]$

Generated Nodes :

$[[0,2,4][7,5,6][1,8,3]] - f(n) = 20 + 4 = 24$
 $[[7,2,4][5,0,6][1,8,3]] - f(n) = 20 + 5 = 25$
 $[[7,2,4][1,5,6][0,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 18 – $[[7,2,8][3,5,0][1,6,4]]$

Generated Nodes :

[[7,2,0][3,5,8][1,6,4]] - Already visited Node!
[[7,2,8][3,0,5][1,6,4]] - $f(n) = 18 + 7 = 25$
[[7,2,8][3,5,4][1,6,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 19 - [[0,7,2][3,5,6][4,8,1]]

Generated Nodes :

[[7,0,2][3,5,6][4,8,1]] - Already visited Node!
[[3,7,2][0,5,6][4,8,1]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 18 - [[7,0,2][3,5,6][1,4,8]]

Generated Nodes :

[[7,2,0][3,5,6][1,4,8]] - $f(n) = 18 + 5 = 23$
[[0,7,2][3,5,6][1,4,8]] - $f(n) = 18 + 6 = 24$
[[7,5,2][3,0,6][1,4,8]] - Already visited Node!

Node Chosen for Level 17 - [[7,4,5][3,0,2][1,8,6]]

Generated Nodes :

[[7,0,5][3,4,2][1,8,6]] - Already visited Node!
[[7,4,5][3,2,0][1,8,6]] - $f(n) = 17 + 7 = 24$
[[7,4,5][0,3,2][1,8,6]] - $f(n) = 17 + 7 = 24$
[[7,4,5][3,8,2][1,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[8,2,0][5,7,4][3,1,6]]

Generated Nodes :

[[8,0,2][5,7,4][3,1,6]] - Already visited Node!
[[8,2,4][5,7,0][3,1,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[5,2,0][7,8,1][3,6,4]]

Generated Nodes :

[[5,0,2][7,8,1][3,6,4]] - Already visited Node!
[[5,2,1][7,8,0][3,6,4]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[7,5,2][3,0,1][6,8,4]]

Generated Nodes :

[[7,0,2][3,5,1][6,8,4]] - $f(n) = 17 + 6 = 23$
[[7,5,2][3,1,0][6,8,4]] - $f(n) = 17 + 7 = 24$
[[7,5,2][0,3,1][6,8,4]] - $f(n) = 17 + 7 = 24$

[[7,5,2][3,8,1][6,0,4]] - Already visited Node!

Node Chosen for Level 17 - [[5,1,2][7,4,6][8,3,0]]

Generated Nodes :

[[5,1,2][7,4,0][8,3,6]] - Already visited Node!

[[5,1,2][7,4,6][8,0,3]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - [[5,1,2][7,3,4][0,8,6]]

Generated Nodes :

[[5,1,2][0,3,4][7,8,6]] - $f(n) = 17 + 6 = 23$

[[5,1,2][7,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 18 - [[5,2,4][0,1,8][7,3,6]]

Generated Nodes :

[[0,2,4][5,1,8][7,3,6]] - $f(n) = 18 + 6 = 24$

[[5,2,4][1,0,8][7,3,6]] - $f(n) = 18 + 6 = 24$

[[5,2,4][7,1,8][0,3,6]] - Already visited Node!

Node Chosen for Level 18 - [[5,8,2][0,4,6][7,3,1]]

Generated Nodes :

[[0,8,2][5,4,6][7,3,1]] - $f(n) = 18 + 6 = 24$

[[5,8,2][4,0,6][7,3,1]] - $f(n) = 18 + 5 = 23$

[[5,8,2][7,4,6][0,3,1]] - Already visited Node!

Node Chosen for Level 18 - [[7,0,2][1,5,6][8,4,3]]

Generated Nodes :

[[7,2,0][1,5,6][8,4,3]] - $f(n) = 18 + 5 = 23$

[[0,7,2][1,5,6][8,4,3]] - $f(n) = 18 + 6 = 24$

[[7,5,2][1,0,6][8,4,3]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][7,3,6][1,8,0]]

Generated Nodes :

[[5,2,4][7,3,0][1,8,6]] - Already visited Node!

[[5,2,4][7,3,6][1,0,8]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[5,2,4][7,1,6][0,8,3]]

Generated Nodes :

[[5,2,4][0,1,6][7,8,3]] - $f(n) = 19 + 4 = 23$

[[5,2,4][7,1,6][8,0,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][4,0,6][1,8,3]]

Generated Nodes :

[[7,0,2][4,5,6][1,8,3]] - $f(n) = 19 + 4 = 23$
[[7,5,2][4,6,0][1,8,3]] - $f(n) = 19 + 6 = 25$
[[7,5,2][0,4,6][1,8,3]] - Already visited Node!
[[7,5,2][4,8,6][1,0,3]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[7,2,0][3,5,6][1,4,8]]

Generated Nodes :

[[7,0,2][3,5,6][1,4,8]] - Already visited Node!
[[7,2,6][3,5,0][1,4,8]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 18 - [[7,0,2][3,5,1][6,8,4]]

Generated Nodes :

[[7,2,0][3,5,1][6,8,4]] - $f(n) = 18 + 5 = 23$
[[0,7,2][3,5,1][6,8,4]] - $f(n) = 18 + 6 = 24$
[[7,5,2][3,0,1][6,8,4]] - Already visited Node!

Node Chosen for Level 18 - [[5,1,2][0,3,4][7,8,6]]

Generated Nodes :

[[0,1,2][5,3,4][7,8,6]] - $f(n) = 18 + 6 = 24$
[[5,1,2][3,0,4][7,8,6]] - $f(n) = 18 + 6 = 24$
[[5,1,2][7,3,4][0,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][4,0,6][7,3,1]]

Generated Nodes :

[[5,0,2][4,8,6][7,3,1]] - $f(n) = 19 + 5 = 24$
[[5,8,2][4,6,0][7,3,1]] - $f(n) = 19 + 6 = 25$
[[5,8,2][0,4,6][7,3,1]] - Already visited Node!
[[5,8,2][4,3,6][7,0,1]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 19 - [[7,2,0][1,5,6][8,4,3]]

Generated Nodes :

[[7,0,2][1,5,6][8,4,3]] - Already visited Node!
[[7,2,6][1,5,0][8,4,3]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 20 - [[5,2,4][0,1,6][7,8,3]]

Generated Nodes :

[[0,2,4][5,1,6][7,8,3]] - $f(n) = 20 + 4 = 24$
[[5,2,4][1,0,6][7,8,3]] - $f(n) = 20 + 4 = 24$
[[5,2,4][7,1,6][0,8,3]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,2][4,5,6][1,8,3]]

Generated Nodes :

[[7,2,0][4,5,6][1,8,3]] - $f(n) = 20 + 3 = 23$
[[0,7,2][4,5,6][1,8,3]] - $f(n) = 20 + 4 = 24$
[[7,5,2][4,0,6][1,8,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,0][3,5,1][6,8,4]]

Generated Nodes :

[[7,0,2][3,5,1][6,8,4]] - Already visited Node!
[[7,2,1][3,5,0][6,8,4]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 21 - [[7,2,0][4,5,6][1,8,3]]

Generated Nodes :

[[7,0,2][4,5,6][1,8,3]] - Already visited Node!
[[7,2,6][4,5,0][1,8,3]] - $f(n) = 21 + 4 = 25$

Node Chosen for Level 18 - [[7,0,4][3,2,5][1,8,6]]

Generated Nodes :

[[7,4,0][3,2,5][1,8,6]] - $f(n) = 18 + 7 = 25$
[[0,7,4][3,2,5][1,8,6]] - $f(n) = 18 + 7 = 25$
[[7,2,4][3,0,5][1,8,6]] - Already visited Node!

Node Chosen for Level 18 - [[7,2,4][3,8,5][1,0,6]]

Generated Nodes :

[[7,2,4][3,0,5][1,8,6]] - Already visited Node!
[[7,2,4][3,8,5][1,6,0]] - $f(n) = 18 + 7 = 25$
[[7,2,4][3,8,5][0,1,6]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 19 - [[7,2,4][3,0,6][1,5,8]]

Generated Nodes :

[[7,0,4][3,2,6][1,5,8]] - $f(n) = 19 + 7 = 26$
[[7,2,4][3,6,0][1,5,8]] - $f(n) = 19 + 7 = 26$
[[7,2,4][0,3,6][1,5,8]] - $f(n) = 19 + 6 = 25$
[[7,2,4][3,5,6][1,0,8]] - Already visited Node!

Node Chosen for Level 19 – [[7,2,6][4,0,5][8,3,1]]

Generated Nodes :

[[7,0,6][4,2,5][8,3,1]] – $f(n) = 19 + 7 = 26$
[[7,2,6][4,5,0][8,3,1]] – Already visited Node!
[[7,2,6][0,4,5][8,3,1]] – $f(n) = 19 + 7 = 26$
[[7,2,6][4,3,5][8,0,1]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 18 – [[3,7,2][1,5,4][8,0,6]]

Generated Nodes :

[[3,7,2][1,0,4][8,5,6]] – $f(n) = 18 + 8 = 26$
[[3,7,2][1,5,4][8,6,0]] – $f(n) = 18 + 7 = 25$
[[3,7,2][1,5,4][0,8,6]] – Already visited Node!

Node Chosen for Level 17 – [[8,7,2][5,0,1][3,6,4]]

Generated Nodes :

[[8,0,2][5,7,1][3,6,4]] – $f(n) = 17 + 8 = 25$
[[8,7,2][5,1,0][3,6,4]] – $f(n) = 17 + 8 = 25$
[[8,7,2][0,5,1][3,6,4]] – Already visited Node!
[[8,7,2][5,6,1][3,0,4]] – $f(n) = 17 + 8 = 25$

Node Chosen for Level 18 – [[7,5,2][4,3,0][8,1,6]]

Generated Nodes :

[[7,5,0][4,3,2][8,1,6]] – $f(n) = 18 + 7 = 25$
[[7,5,2][4,0,3][8,1,6]] – $f(n) = 18 + 7 = 25$
[[7,5,2][4,3,6][8,1,0]] – Already visited Node!

Node Chosen for Level 19 – [[7,2,4][1,0,6][8,5,3]]

Generated Nodes :

[[7,0,4][1,2,6][8,5,3]] – $f(n) = 19 + 7 = 26$
[[7,2,4][1,6,0][8,5,3]] – $f(n) = 19 + 7 = 26$
[[7,2,4][0,1,6][8,5,3]] – $f(n) = 19 + 6 = 25$
[[7,2,4][1,5,6][8,0,3]] – Already visited Node!

Node Chosen for Level 18 – [[5,2,6][7,8,0][3,4,1]]

Generated Nodes :

[[5,2,0][7,8,6][3,4,1]] – Already visited Node!
[[5,2,6][7,0,8][3,4,1]] – $f(n) = 18 + 7 = 25$
[[5,2,6][7,8,1][3,4,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[7,5,2][3,6,0][4,8,1]]

Generated Nodes :

[[7,5,0][3,6,2][4,8,1]] – $f(n) = 18 + 7 = 25$
[[7,5,2][3,0,6][4,8,1]] – Already visited Node!
[[7,5,2][3,6,1][4,8,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[5,2,6][7,4,0][8,3,1]]

Generated Nodes :

[[5,2,0][7,4,6][8,3,1]] – Already visited Node!
[[5,2,6][7,0,4][8,3,1]] – $f(n) = 18 + 7 = 25$
[[5,2,6][7,4,1][8,3,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 20 – [[7,2,6][3,5,0][4,8,1]]

Generated Nodes :

[[7,2,0][3,5,6][4,8,1]] – Already visited Node!
[[7,2,6][3,0,5][4,8,1]] – $f(n) = 20 + 6 = 26$
[[7,2,6][3,5,1][4,8,0]] – $f(n) = 20 + 5 = 25$

Node Chosen for Level 18 – [[7,2,6][0,8,5][3,4,1]]

Generated Nodes :

[[0,2,6][7,8,5][3,4,1]] – $f(n) = 18 + 7 = 25$
[[7,2,6][8,0,5][3,4,1]] – Already visited Node!
[[7,2,6][3,8,5][0,4,1]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[7,2,6][8,4,5][3,0,1]]

Generated Nodes :

[[7,2,6][8,0,5][3,4,1]] – Already visited Node!
[[7,2,6][8,4,5][3,1,0]] – $f(n) = 18 + 7 = 25$
[[7,2,6][8,4,5][0,3,1]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 17 – [[5,4,0][7,2,8][3,1,6]]

Generated Nodes :

[[5,0,4][7,2,8][3,1,6]] – Already visited Node!
[[5,4,8][7,2,0][3,1,6]] – $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 – [[0,5,4][7,2,8][3,1,6]]

Generated Nodes :

[[5,0,4][7,2,8][3,1,6]] – Already visited Node!

$[[7,5,4][0,2,8][3,1,6]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 18 - $[[8,0,2][5,7,6][3,4,1]]$

Generated Nodes :

$[[8,2,0][5,7,6][3,4,1]] - f(n) = 18 + 6 = 24$
 $[[0,8,2][5,7,6][3,4,1]] - f(n) = 18 + 7 = 25$
 $[[8,7,2][5,0,6][3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,2][5,4,6][3,0,1]]$

Generated Nodes :

$[[8,7,2][5,0,6][3,4,1]] - \text{Already visited Node!}$
 $[[8,7,2][5,4,6][3,1,0]] - f(n) = 18 + 7 = 25$
 $[[8,7,2][5,4,6][0,3,1]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[3,0,2][5,7,4][1,8,6]]$

Generated Nodes :

$[[3,2,0][5,7,4][1,8,6]] - f(n) = 18 + 6 = 24$
 $[[0,3,2][5,7,4][1,8,6]] - f(n) = 18 + 7 = 25$
 $[[3,7,2][5,0,4][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[3,7,2][5,4,0][1,8,6]]$

Generated Nodes :

$[[3,7,0][5,4,2][1,8,6]] - f(n) = 18 + 7 = 25$
 $[[3,7,2][5,0,4][1,8,6]] - \text{Already visited Node!}$
 $[[3,7,2][5,4,6][1,8,0]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - $[[7,2,1][0,8,5][3,6,4]]$

Generated Nodes :

$[[0,2,1][7,8,5][3,6,4]] - f(n) = 18 + 7 = 25$
 $[[7,2,1][8,0,5][3,6,4]] - \text{Already visited Node!}$
 $[[7,2,1][3,8,5][0,6,4]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,2,1][8,6,5][3,0,4]]$

Generated Nodes :

$[[7,2,1][8,0,5][3,6,4]] - \text{Already visited Node!}$
 $[[7,2,1][8,6,5][3,4,0]] - f(n) = 18 + 7 = 25$
 $[[7,2,1][8,6,5][0,3,4]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,2,4][0,1,5][8,3,6]]$

Generated Nodes :

[[0,2,4][7,1,5][8,3,6]] - $f(n) = 18 + 7 = 25$
[[7,2,4][1,0,5][8,3,6]] - Already visited Node!
[[7,2,4][8,1,5][0,3,6]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[7,2,4][1,3,5][8,0,6]]

Generated Nodes :

[[7,2,4][1,0,5][8,3,6]] - Already visited Node!
[[7,2,4][1,3,5][8,6,0]] - $f(n) = 18 + 7 = 25$
[[7,2,4][1,3,5][0,8,6]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 19 - [[4,7,2][8,5,6][0,3,1]]

Generated Nodes :

[[4,7,2][0,5,6][8,3,1]] - Already visited Node!
[[4,7,2][8,5,6][3,0,1]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 18 - [[1,0,2][5,7,4][8,3,6]]

Generated Nodes :

[[1,2,0][5,7,4][8,3,6]] - $f(n) = 18 + 6 = 24$
[[0,1,2][5,7,4][8,3,6]] - $f(n) = 18 + 8 = 26$
[[1,7,2][5,0,4][8,3,6]] - Already visited Node!

Node Chosen for Level 18 - [[1,7,2][5,4,0][8,3,6]]

Generated Nodes :

[[1,7,0][5,4,2][8,3,6]] - $f(n) = 18 + 7 = 25$
[[1,7,2][5,0,4][8,3,6]] - Already visited Node!
[[1,7,2][5,4,6][8,3,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - [[1,7,2][5,3,4][8,0,6]]

Generated Nodes :

[[1,7,2][5,0,4][8,3,6]] - Already visited Node!
[[1,7,2][5,3,4][8,6,0]] - $f(n) = 18 + 7 = 25$
[[1,7,2][5,3,4][0,8,6]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 19 - [[0,5,2][7,3,6][4,8,1]]

Generated Nodes :

[[5,0,2][7,3,6][4,8,1]] - $f(n) = 19 + 6 = 25$
[[7,5,2][0,3,6][4,8,1]] - Already visited Node!

Node Chosen for Level 19 – [[5,4,0][7,2,6][3,8,1]]

Generated Nodes :

[[5,0,4][7,2,6][3,8,1]] – Already visited Node!
[[5,4,6][7,2,0][3,8,1]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[0,5,4][7,2,6][3,8,1]]

Generated Nodes :

[[5,0,4][7,2,6][3,8,1]] – Already visited Node!
[[7,5,4][0,2,6][3,8,1]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[5,2,0][7,6,4][3,8,1]]

Generated Nodes :

[[5,0,2][7,6,4][3,8,1]] – $f(n) = 19 + 7 = 26$
[[5,2,4][7,6,0][3,8,1]] – Already visited Node!

Node Chosen for Level 19 – [[5,2,4][7,6,1][3,8,0]]

Generated Nodes :

[[5,2,4][7,6,0][3,8,1]] – Already visited Node!
[[5,2,4][7,6,1][3,0,8]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[0,2,4][7,3,5][1,8,6]]

Generated Nodes :

[[2,0,4][7,3,5][1,8,6]] – $f(n) = 19 + 7 = 26$
[[7,2,4][0,3,5][1,8,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,2,4][1,3,5][0,8,6]]

Generated Nodes :

[[7,2,4][0,3,5][1,8,6]] – Already visited Node!
[[7,2,4][1,3,5][8,0,6]] – Already visited Node!

Node Chosen for Level 18 – [[7,0,5][4,6,2][8,3,1]]

Generated Nodes :

[[7,5,0][4,6,2][8,3,1]] – Already visited Node!
[[0,7,5][4,6,2][8,3,1]] – $f(n) = 18 + 7 = 25$
[[7,6,5][4,0,2][8,3,1]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[7,5,2][4,6,1][8,0,3]]

Generated Nodes :

[[7,5,2][4,0,1][8,6,3]] - $f(n) = 18 + 7 = 25$
[[7,5,2][4,6,1][8,3,0]] - Already visited Node!
[[7,5,2][4,6,1][0,8,3]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - [[7,5,2][0,3,6][1,4,8]]

Generated Nodes :

[[0,5,2][7,3,6][1,4,8]] - $f(n) = 18 + 7 = 25$
[[7,5,2][3,0,6][1,4,8]] - Already visited Node!
[[7,5,2][1,3,6][0,4,8]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[7,5,2][0,4,6][3,1,8]]

Generated Nodes :

[[0,5,2][7,4,6][3,1,8]] - $f(n) = 18 + 7 = 25$
[[7,5,2][4,0,6][3,1,8]] - $f(n) = 18 + 6 = 24$
[[7,5,2][3,4,6][0,1,8]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,4][0,5,6][3,1,8]]

Generated Nodes :

[[0,2,4][7,5,6][3,1,8]] - $f(n) = 20 + 5 = 25$
[[7,2,4][5,0,6][3,1,8]] - $f(n) = 20 + 6 = 26$
[[7,2,4][3,5,6][0,1,8]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,6][4,5,1][8,0,3]]

Generated Nodes :

[[7,2,6][4,0,1][8,5,3]] - $f(n) = 20 + 6 = 26$
[[7,2,6][4,5,1][8,3,0]] - Already visited Node!
[[7,2,6][4,5,1][0,8,3]] - $f(n) = 20 + 4 = 24$

Node Chosen for Level 17 - [[0,7,5][8,6,2][3,4,1]]

Generated Nodes :

[[7,0,5][8,6,2][3,4,1]] - Already visited Node!
[[8,7,5][0,6,2][3,4,1]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[7,6,5][8,0,2][3,4,1]]

Generated Nodes :

[[7,0,5][8,6,2][3,4,1]] - Already visited Node!
[[7,6,5][8,2,0][3,4,1]] - $f(n) = 17 + 8 = 25$
[[7,6,5][0,8,2][3,4,1]] - $f(n) = 17 + 8 = 25$

$[[7,6,5][8,4,2][3,0,1]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 19 - $[[7,2,6][8,5,1][0,3,4]]$

Generated Nodes :

$[[7,2,6][0,5,1][8,3,4]] - f(n) = 19 + 6 = 25$

$[[7,2,6][8,5,1][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[8,7,5][3,0,2][1,4,6]]$

Generated Nodes :

$[[8,0,5][3,7,2][1,4,6]] - f(n) = 17 + 8 = 25$

$[[8,7,5][3,2,0][1,4,6]] - f(n) = 17 + 8 = 25$

$[[8,7,5][0,3,2][1,4,6]] - f(n) = 17 + 8 = 25$

$[[8,7,5][3,4,2][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[8,7,5][3,4,2][1,6,0]]$

Generated Nodes :

$[[8,7,5][3,4,0][1,6,2]] - f(n) = 17 + 8 = 25$

$[[8,7,5][3,4,2][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[0,7,4][8,2,5][3,1,6]]$

Generated Nodes :

$[[7,0,4][8,2,5][3,1,6]] - \text{Already visited Node!}$

$[[8,7,4][0,2,5][3,1,6]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[4,5,0][7,8,2][3,1,6]]$

Generated Nodes :

$[[4,0,5][7,8,2][3,1,6]] - \text{Already visited Node!}$

$[[4,5,2][7,8,0][3,1,6]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[4,8,5][7,0,2][3,1,6]]$

Generated Nodes :

$[[4,0,5][7,8,2][3,1,6]] - \text{Already visited Node!}$

$[[4,8,5][7,2,0][3,1,6]] - f(n) = 17 + 8 = 25$

$[[4,8,5][0,7,2][3,1,6]] - f(n) = 17 + 8 = 25$

$[[4,8,5][7,1,2][3,0,6]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[7,4,5][3,8,2][1,6,0]]$

Generated Nodes :

[[7,4,5][3,8,0][1,6,2]] - $f(n) = 17 + 8 = 25$
[[7,4,5][3,8,2][1,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[7,4,0][8,1,5][3,6,2]]

Generated Nodes :

[[7,0,4][8,1,5][3,6,2]] - $f(n) = 17 + 8 = 25$
[[7,4,5][8,1,0][3,6,2]] - Already visited Node!

Node Chosen for Level 17 - [[7,4,5][8,0,1][3,6,2]]

Generated Nodes :

[[7,0,5][8,4,1][3,6,2]] - $f(n) = 17 + 8 = 25$
[[7,4,5][8,1,0][3,6,2]] - Already visited Node!
[[7,4,5][0,8,1][3,6,2]] - $f(n) = 17 + 8 = 25$
[[7,4,5][8,6,1][3,0,2]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[0,4,5][7,1,2][8,3,6]]

Generated Nodes :

[[4,0,5][7,1,2][8,3,6]] - $f(n) = 17 + 8 = 25$
[[7,4,5][0,1,2][8,3,6]] - Already visited Node!

Node Chosen for Level 17 - [[7,4,5][1,0,2][8,3,6]]

Generated Nodes :

[[7,0,5][1,4,2][8,3,6]] - Already visited Node!
[[7,4,5][1,2,0][8,3,6]] - $f(n) = 17 + 8 = 25$
[[7,4,5][0,1,2][8,3,6]] - Already visited Node!
[[7,4,5][1,3,2][8,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[0,5,8][7,4,2][3,1,6]]

Generated Nodes :

[[5,0,8][7,4,2][3,1,6]] - Already visited Node!
[[7,5,8][0,4,2][3,1,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[5,4,8][7,0,2][3,1,6]]

Generated Nodes :

[[5,0,8][7,4,2][3,1,6]] - Already visited Node!
[[5,4,8][7,2,0][3,1,6]] - $f(n) = 17 + 8 = 25$
[[5,4,8][0,7,2][3,1,6]] - $f(n) = 17 + 8 = 25$
[[5,4,8][7,1,2][3,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[8,7,2][5,0,4][3,1,6]]

Generated Nodes :

[[8,0,2][5,7,4][3,1,6]] - Already visited Node!
[[8,7,2][5,4,0][3,1,6]] - $f(n) = 17 + 8 = 25$
[[8,7,2][0,5,4][3,1,6]] - $f(n) = 17 + 7 = 24$
[[8,7,2][5,1,4][3,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[5,8,2][3,0,4][1,7,6]]

Generated Nodes :

[[5,0,2][3,8,4][1,7,6]] - $f(n) = 17 + 8 = 25$
[[5,8,2][3,4,0][1,7,6]] - $f(n) = 17 + 8 = 25$
[[5,8,2][0,3,4][1,7,6]] - $f(n) = 17 + 8 = 25$
[[5,8,2][3,7,4][1,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,8,2][3,7,4][1,6,0]]

Generated Nodes :

[[5,8,2][3,7,0][1,6,4]] - $f(n) = 17 + 8 = 25$
[[5,8,2][3,7,4][1,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,8,0][7,1,2][3,6,4]]

Generated Nodes :

[[5,0,8][7,1,2][3,6,4]] - $f(n) = 17 + 8 = 25$
[[5,8,2][7,1,0][3,6,4]] - Already visited Node!

Node Chosen for Level 17 - [[5,8,2][7,0,1][3,6,4]]

Generated Nodes :

[[5,0,2][7,8,1][3,6,4]] - Already visited Node!
[[5,8,2][7,1,0][3,6,4]] - Already visited Node!
[[5,8,2][0,7,1][3,6,4]] - $f(n) = 17 + 8 = 25$
[[5,8,2][7,6,1][3,0,4]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[0,7,5][3,8,2][1,6,4]]

Generated Nodes :

[[7,0,5][3,8,2][1,6,4]] - Already visited Node!
[[3,7,5][0,8,2][1,6,4]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[7,8,5][3,0,2][1,6,4]]

Generated Nodes :

[[7,0,5][3,8,2][1,6,4]] - Already visited Node!

$[[7,8,5][3,2,0][1,6,4]] - f(n) = 17 + 8 = 25$
 $[[7,8,5][0,3,2][1,6,4]] - f(n) = 17 + 8 = 25$
 $[[7,8,5][3,6,2][1,0,4]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[0,5,2][7,3,8][1,6,4]]$

Generated Nodes :

$[[5,0,2][7,3,8][1,6,4]] - f(n) = 17 + 8 = 25$
 $[[7,5,2][0,3,8][1,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[7,5,2][1,3,8][0,6,4]]$

Generated Nodes :

$[[7,5,2][0,3,8][1,6,4]] - \text{Already visited Node!}$
 $[[7,5,2][1,3,8][6,0,4]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[7,5,2][3,6,8][1,4,0]]$

Generated Nodes :

$[[7,5,2][3,6,0][1,4,8]] - f(n) = 17 + 8 = 25$
 $[[7,5,2][3,6,8][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[7,5,2][3,6,8][0,1,4]]$

Generated Nodes :

$[[7,5,2][0,6,8][3,1,4]] - f(n) = 17 + 8 = 25$
 $[[7,5,2][3,6,8][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[8,7,5][1,0,2][3,6,4]]$

Generated Nodes :

$[[8,0,5][1,7,2][3,6,4]] - f(n) = 17 + 8 = 25$
 $[[8,7,5][1,2,0][3,6,4]] - f(n) = 17 + 8 = 25$
 $[[8,7,5][0,1,2][3,6,4]] - \text{Already visited Node!}$
 $[[8,7,5][1,6,2][3,0,4]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[8,7,5][3,1,2][0,6,4]]$

Generated Nodes :

$[[8,7,5][0,1,2][3,6,4]] - \text{Already visited Node!}$
 $[[8,7,5][3,1,2][6,0,4]] - f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[7,1,0][8,2,5][3,6,4]]$

Generated Nodes :

[[7,0,1][8,2,5][3,6,4]] - $f(n) = 17 + 8 = 25$
[[7,1,5][8,2,0][3,6,4]] - Already visited Node!

Node Chosen for Level 17 - [[7,1,5][8,2,4][3,6,0]]

Generated Nodes :

[[7,1,5][8,2,0][3,6,4]] - Already visited Node!
[[7,1,5][8,2,4][3,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[0,1,5][7,8,2][3,6,4]]

Generated Nodes :

[[1,0,5][7,8,2][3,6,4]] - $f(n) = 17 + 7 = 24$
[[7,1,5][0,8,2][3,6,4]] - Already visited Node!

Node Chosen for Level 17 - [[7,1,5][3,8,2][0,6,4]]

Generated Nodes :

[[7,1,5][0,8,2][3,6,4]] - Already visited Node!
[[7,1,5][3,8,2][6,0,4]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[7,1,5][8,6,2][3,4,0]]

Generated Nodes :

[[7,1,5][8,6,0][3,4,2]] - $f(n) = 17 + 8 = 25$
[[7,1,5][8,6,2][3,0,4]] - Already visited Node!

Node Chosen for Level 17 - [[7,1,5][8,6,2][0,3,4]]

Generated Nodes :

[[7,1,5][0,6,2][8,3,4]] - $f(n) = 17 + 8 = 25$
[[7,1,5][8,6,2][3,0,4]] - Already visited Node!

Node Chosen for Level 17 - [[5,8,2][7,0,1][3,6,4]]

Generated Nodes :

[[5,0,2][7,8,1][3,6,4]] - Already visited Node!
[[5,8,2][7,1,0][3,6,4]] - Already visited Node!
[[5,8,2][0,7,1][3,6,4]] - $f(n) = 17 + 8 = 25$
[[5,8,2][7,6,1][3,0,4]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[7,5,2][3,8,1][6,4,0]]

Generated Nodes :

[[7,5,2][3,8,0][6,4,1]] - $f(n) = 17 + 8 = 25$

[[7,5,2][3,8,1][6,0,4]] - Already visited Node!

Node Chosen for Level 17 - [[0,5,2][7,6,1][8,3,4]]

Generated Nodes :

[[5,0,2][7,6,1][8,3,4]] - $f(n) = 17 + 8 = 25$
[[7,5,2][0,6,1][8,3,4]] - Already visited Node!

Node Chosen for Level 17 - [[7,5,2][6,0,1][8,3,4]]

Generated Nodes :

[[7,0,2][6,5,1][8,3,4]] - $f(n) = 17 + 7 = 24$
[[7,5,2][6,1,0][8,3,4]] - $f(n) = 17 + 8 = 25$
[[7,5,2][0,6,1][8,3,4]] - Already visited Node!
[[7,5,2][6,3,1][8,0,4]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[5,1,0][7,4,2][8,3,6]]

Generated Nodes :

[[5,0,1][7,4,2][8,3,6]] - $f(n) = 17 + 8 = 25$
[[5,1,2][7,4,0][8,3,6]] - Already visited Node!

Node Chosen for Level 17 - [[0,1,2][5,7,4][8,3,6]]

Generated Nodes :

[[1,0,2][5,7,4][8,3,6]] - Already visited Node!
[[5,1,2][0,7,4][8,3,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,1,2][8,7,4][0,3,6]]

Generated Nodes :

[[5,1,2][0,7,4][8,3,6]] - Already visited Node!
[[5,1,2][8,7,4][3,0,6]] - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - [[5,1,2][7,3,4][8,6,0]]

Generated Nodes :

[[5,1,2][7,3,0][8,6,4]] - $f(n) = 17 + 8 = 25$
[[5,1,2][7,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[0,7,5][1,4,2][8,3,6]]

Generated Nodes :

[[7,0,5][1,4,2][8,3,6]] - Already visited Node!
[[1,7,5][0,4,2][8,3,6]] - $f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - $[[7,4,5][1,0,2][8,3,6]]$

Generated Nodes :

$[[7,0,5][1,4,2][8,3,6]]$ - Already visited Node!
 $[[7,4,5][1,2,0][8,3,6]]$ - $f(n) = 17 + 8 = 25$
 $[[7,4,5][0,1,2][8,3,6]]$ - Already visited Node!
 $[[7,4,5][1,3,2][8,0,6]]$ - $f(n) = 17 + 8 = 25$

Node Chosen for Level 17 - $[[7,5,0][1,3,2][8,6,4]]$

Generated Nodes :

$[[7,0,5][1,3,2][8,6,4]]$ - $f(n) = 17 + 8 = 25$
 $[[7,5,2][1,3,0][8,6,4]]$ - Already visited Node!

Node Chosen for Level 17 - $[[7,5,2][1,0,3][8,6,4]]$

Generated Nodes :

$[[7,0,2][1,5,3][8,6,4]]$ - $f(n) = 17 + 7 = 24$
 $[[7,5,2][1,3,0][8,6,4]]$ - Already visited Node!
 $[[7,5,2][0,1,3][8,6,4]]$ - $f(n) = 17 + 8 = 25$
 $[[7,5,2][1,6,3][8,0,4]]$ - $f(n) = 17 + 8 = 25$

Node Chosen for Level 18 - $[[5,8,2][0,7,6][3,4,1]]$

Generated Nodes :

$[[0,8,2][5,7,6][3,4,1]]$ - $f(n) = 18 + 7 = 25$
 $[[5,8,2][7,0,6][3,4,1]]$ - Already visited Node!
 $[[5,8,2][3,7,6][0,4,1]]$ - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[5,4,2][0,7,6][8,3,1]]$

Generated Nodes :

$[[0,4,2][5,7,6][8,3,1]]$ - $f(n) = 18 + 7 = 25$
 $[[5,4,2][7,0,6][8,3,1]]$ - Already visited Node!
 $[[5,4,2][8,7,6][0,3,1]]$ - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[5,4,2][7,3,6][8,0,1]]$

Generated Nodes :

$[[5,4,2][7,0,6][8,3,1]]$ - Already visited Node!
 $[[5,4,2][7,3,6][8,1,0]]$ - $f(n) = 18 + 7 = 25$
 $[[5,4,2][7,3,6][0,8,1]]$ - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - $[[5,2,4][3,7,8][1,0,6]]$

Generated Nodes :

[[5,2,4][3,0,8][1,7,6]] - $f(n) = 18 + 7 = 25$
[[5,2,4][3,7,8][1,6,0]] - $f(n) = 18 + 7 = 25$
[[5,2,4][3,7,8][0,1,6]] - Already visited Node!

Node Chosen for Level 18 - [[5,2,4][7,1,0][3,6,8]]

Generated Nodes :

[[5,2,0][7,1,4][3,6,8]] - $f(n) = 18 + 7 = 25$
[[5,2,4][7,0,1][3,6,8]] - $f(n) = 18 + 7 = 25$
[[5,2,4][7,1,8][3,6,0]] - Already visited Node!

Node Chosen for Level 18 - [[3,7,5][0,4,2][1,8,6]]

Generated Nodes :

[[0,7,5][3,4,2][1,8,6]] - Already visited Node!
[[3,7,5][4,0,2][1,8,6]] - $f(n) = 18 + 6 = 24$
[[3,7,5][1,4,2][0,8,6]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[7,4,5][3,2,0][1,8,6]]

Generated Nodes :

[[7,4,0][3,2,5][1,8,6]] - $f(n) = 18 + 7 = 25$
[[7,4,5][3,0,2][1,8,6]] - Already visited Node!
[[7,4,5][3,2,6][1,8,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - [[7,4,5][0,3,2][1,8,6]]

Generated Nodes :

[[0,4,5][7,3,2][1,8,6]] - $f(n) = 18 + 7 = 25$
[[7,4,5][3,0,2][1,8,6]] - Already visited Node!
[[7,4,5][1,3,2][0,8,6]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[5,3,2][7,4,0][1,8,6]]

Generated Nodes :

[[5,3,0][7,4,2][1,8,6]] - $f(n) = 18 + 7 = 25$
[[5,3,2][7,0,4][1,8,6]] - Already visited Node!
[[5,3,2][7,4,6][1,8,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - [[5,3,2][0,7,4][1,8,6]]

Generated Nodes :

[[0,3,2][5,7,4][1,8,6]] - $f(n) = 18 + 7 = 25$
[[5,3,2][7,0,4][1,8,6]] - Already visited Node!

$[[5,3,2][1,7,4][0,8,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 19 - $[[8,7,2][3,5,6][4,1,0]]$

Generated Nodes :

$[[8,7,2][3,5,0][4,1,6]] - f(n) = 19 + 7 = 26$

$[[8,7,2][3,5,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,2][3,5,1][6,0,4]]$

Generated Nodes :

$[[8,7,2][3,0,1][6,5,4]] - f(n) = 18 + 8 = 26$

$[[8,7,2][3,5,1][6,4,0]] - f(n) = 18 + 7 = 25$

$[[8,7,2][3,5,1][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,2,1][8,5,4][0,3,6]]$

Generated Nodes :

$[[7,2,1][0,5,4][8,3,6]] - f(n) = 19 + 6 = 25$

$[[7,2,1][8,5,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,5,2][4,7,0][3,1,6]]$

Generated Nodes :

$[[8,5,0][4,7,2][3,1,6]] - \text{Already visited Node!}$

$[[8,5,2][4,0,7][3,1,6]] - f(n) = 18 + 7 = 25$

$[[8,5,2][4,7,6][3,1,0]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - $[[8,0,7][4,2,5][3,1,6]]$

Generated Nodes :

$[[8,7,0][4,2,5][3,1,6]] - \text{Already visited Node!}$

$[[0,8,7][4,2,5][3,1,6]] - f(n) = 18 + 7 = 25$

$[[8,2,7][4,0,5][3,1,6]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - $[[8,7,5][4,1,0][3,6,2]]$

Generated Nodes :

$[[8,7,0][4,1,5][3,6,2]] - f(n) = 18 + 7 = 25$

$[[8,7,5][4,0,1][3,6,2]] - f(n) = 18 + 7 = 25$

$[[8,7,5][4,1,2][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,0,5][8,4,6][3,2,1]]$

Generated Nodes :

$[[7,5,0][8,4,6][3,2,1]] - f(n) = 18 + 7 = 25$
 $[[0,7,5][8,4,6][3,2,1]] - f(n) = 18 + 7 = 25$
 $[[7,4,5][8,0,6][3,2,1]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,4,5][0,8,6][3,2,1]]$

Generated Nodes :

$[[0,4,5][7,8,6][3,2,1]] - f(n) = 18 + 7 = 25$
 $[[7,4,5][8,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[7,4,5][3,8,6][0,2,1]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,4,5][0,2,6][8,3,1]]$

Generated Nodes :

$[[0,4,5][7,2,6][8,3,1]] - f(n) = 18 + 7 = 25$
 $[[7,4,5][2,0,6][8,3,1]] - f(n) = 18 + 7 = 25$
 $[[7,4,5][8,2,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[5,8,2][0,7,6][3,4,1]]$

Generated Nodes :

$[[0,8,2][5,7,6][3,4,1]] - f(n) = 18 + 7 = 25$
 $[[5,8,2][7,0,6][3,4,1]] - \text{Already visited Node!}$
 $[[5,8,2][3,7,6][0,4,1]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[5,2,4][0,7,1][8,3,6]]$

Generated Nodes :

$[[0,2,4][5,7,1][8,3,6]] - f(n) = 18 + 7 = 25$
 $[[5,2,4][7,0,1][8,3,6]] - \text{Already visited Node!}$
 $[[5,2,4][8,7,1][0,3,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[5,2,4][7,3,1][8,0,6]]$

Generated Nodes :

$[[5,2,4][7,0,1][8,3,6]] - \text{Already visited Node!}$
 $[[5,2,4][7,3,1][8,6,0]] - f(n) = 18 + 7 = 25$
 $[[5,2,4][7,3,1][0,8,6]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - $[[7,5,2][0,1,6][8,4,3]]$

Generated Nodes :

$[[0,5,2][7,1,6][8,4,3]] - f(n) = 18 + 7 = 25$
 $[[7,5,2][1,0,6][8,4,3]] - \text{Already visited Node!}$
 $[[7,5,2][8,1,6][0,4,3]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 19 – [[1,7,2][8,5,4][3,6,0]]

Generated Nodes :

[[1,7,2][8,5,0][3,6,4]] – $f(n) = 19 + 6 = 25$
[[1,7,2][8,5,4][3,0,6]] – Already visited Node!

Node Chosen for Level 18 – [[8,0,2][5,1,4][7,3,6]]

Generated Nodes :

[[8,2,0][5,1,4][7,3,6]] – $f(n) = 18 + 6 = 24$
[[0,8,2][5,1,4][7,3,6]] – Already visited Node!
[[8,1,2][5,0,4][7,3,6]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[5,0,2][1,8,4][7,3,6]]

Generated Nodes :

[[5,2,0][1,8,4][7,3,6]] – $f(n) = 18 + 6 = 24$
[[0,5,2][1,8,4][7,3,6]] – $f(n) = 18 + 7 = 25$
[[5,8,2][1,0,4][7,3,6]] – Already visited Node!

Node Chosen for Level 18 – [[5,8,2][1,4,0][7,3,6]]

Generated Nodes :

[[5,8,0][1,4,2][7,3,6]] – $f(n) = 18 + 7 = 25$
[[5,8,2][1,0,4][7,3,6]] – Already visited Node!
[[5,8,2][1,4,6][7,3,0]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 – [[5,8,2][1,3,4][7,0,6]]

Generated Nodes :

[[5,8,2][1,0,4][7,3,6]] – Already visited Node!
[[5,8,2][1,3,4][7,6,0]] – $f(n) = 18 + 7 = 25$
[[5,8,2][1,3,4][0,7,6]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[3,7,2][0,5,8][1,6,4]]

Generated Nodes :

[[0,7,2][3,5,8][1,6,4]] – Already visited Node!
[[3,7,2][5,0,8][1,6,4]] – $f(n) = 18 + 8 = 26$
[[3,7,2][1,5,8][0,6,4]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 19 – [[0,5,2][7,3,6][4,8,1]]

Generated Nodes :

[[5,0,2][7,3,6][4,8,1]] – $f(n) = 19 + 6 = 25$

[[7,5,2][0,3,6][4,8,1]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][7,0,3][1,8,6]]

Generated Nodes :

[[5,0,4][7,2,3][1,8,6]] - $f(n) = 19 + 7 = 26$
[[5,2,4][7,3,0][1,8,6]] - Already visited Node!
[[5,2,4][0,7,3][1,8,6]] - $f(n) = 19 + 6 = 25$
[[5,2,4][7,8,3][1,0,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 20 - [[5,2,4][8,3,6][7,0,1]]

Generated Nodes :

[[5,2,4][8,0,6][7,3,1]] - Already visited Node!
[[5,2,4][8,3,6][7,1,0]] - $f(n) = 20 + 5 = 25$
[[5,2,4][8,3,6][0,7,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 - [[8,7,5][4,0,6][3,2,1]]

Generated Nodes :

[[8,0,5][4,7,6][3,2,1]] - $f(n) = 19 + 6 = 25$
[[8,7,5][4,6,0][3,2,1]] - $f(n) = 19 + 7 = 26$
[[8,7,5][0,4,6][3,2,1]] - $f(n) = 19 + 7 = 26$
[[8,7,5][4,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,5][4,2,6][0,3,1]]

Generated Nodes :

[[8,7,5][0,2,6][4,3,1]] - $f(n) = 19 + 7 = 26$
[[8,7,5][4,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][7,0,6][8,1,3]]

Generated Nodes :

[[5,0,4][7,2,6][8,1,3]] - $f(n) = 19 + 7 = 26$
[[5,2,4][7,6,0][8,1,3]] - $f(n) = 19 + 7 = 26$
[[5,2,4][0,7,6][8,1,3]] - $f(n) = 19 + 6 = 25$
[[5,2,4][7,1,6][8,0,3]] - Already visited Node!

Node Chosen for Level 19 - [[0,5,2][7,4,6][1,8,3]]

Generated Nodes :

[[5,0,2][7,4,6][1,8,3]] - $f(n) = 19 + 6 = 25$
[[7,5,2][0,4,6][1,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[0,2,4][7,5,6][1,8,3]]

Generated Nodes :

[[2,0,4][7,5,6][1,8,3]] - $f(n) = 21 + 5 = 26$
[[7,2,4][0,5,6][1,8,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,8][3,5,4][1,6,0]]

Generated Nodes :

[[7,2,8][3,5,0][1,6,4]] - Already visited Node!
[[7,2,8][3,5,4][1,0,6]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 20 - [[3,7,2][0,5,6][4,8,1]]

Generated Nodes :

[[0,7,2][3,5,6][4,8,1]] - Already visited Node!
[[3,7,2][5,0,6][4,8,1]] - $f(n) = 20 + 6 = 26$
[[3,7,2][4,5,6][0,8,1]] - $f(n) = 20 + 4 = 24$

Node Chosen for Level 19 - [[0,7,2][3,5,6][1,4,8]]

Generated Nodes :

[[7,0,2][3,5,6][1,4,8]] - Already visited Node!
[[3,7,2][0,5,6][1,4,8]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 18 - [[7,4,5][3,2,0][1,8,6]]

Generated Nodes :

[[7,4,0][3,2,5][1,8,6]] - $f(n) = 18 + 7 = 25$
[[7,4,5][3,0,2][1,8,6]] - Already visited Node!
[[7,4,5][3,2,6][1,8,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 - [[7,4,5][0,3,2][1,8,6]]

Generated Nodes :

[[0,4,5][7,3,2][1,8,6]] - $f(n) = 18 + 7 = 25$
[[7,4,5][3,0,2][1,8,6]] - Already visited Node!
[[7,4,5][1,3,2][0,8,6]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[8,2,4][5,7,0][3,1,6]]

Generated Nodes :

[[8,2,0][5,7,4][3,1,6]] - Already visited Node!
[[8,2,4][5,0,7][3,1,6]] - $f(n) = 18 + 7 = 25$
[[8,2,4][5,7,6][3,1,0]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 18 – [[5,2,1][7,8,0][3,6,4]]

Generated Nodes :

[[5,2,0][7,8,1][3,6,4]] – Already visited Node!
[[5,2,1][7,0,8][3,6,4]] – $f(n) = 18 + 7 = 25$
[[5,2,1][7,8,4][3,6,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[7,5,2][3,1,0][6,8,4]]

Generated Nodes :

[[7,5,0][3,1,2][6,8,4]] – $f(n) = 18 + 7 = 25$
[[7,5,2][3,0,1][6,8,4]] – Already visited Node!
[[7,5,2][3,1,4][6,8,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[7,5,2][0,3,1][6,8,4]]

Generated Nodes :

[[0,5,2][7,3,1][6,8,4]] – $f(n) = 18 + 7 = 25$
[[7,5,2][3,0,1][6,8,4]] – Already visited Node!
[[7,5,2][6,3,1][0,8,4]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[5,1,2][7,4,6][8,0,3]]

Generated Nodes :

[[5,1,2][7,0,6][8,4,3]] – $f(n) = 18 + 7 = 25$
[[5,1,2][7,4,6][8,3,0]] – Already visited Node!
[[5,1,2][7,4,6][0,8,3]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 19 – [[0,2,4][5,1,8][7,3,6]]

Generated Nodes :

[[2,0,4][5,1,8][7,3,6]] – $f(n) = 19 + 7 = 26$
[[5,2,4][0,1,8][7,3,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,2,4][1,0,8][7,3,6]]

Generated Nodes :

[[5,0,4][1,2,8][7,3,6]] – $f(n) = 19 + 7 = 26$
[[5,2,4][1,8,0][7,3,6]] – $f(n) = 19 + 6 = 25$
[[5,2,4][0,1,8][7,3,6]] – Already visited Node!
[[5,2,4][1,3,8][7,0,6]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[0,8,2][5,4,6][7,3,1]]

Generated Nodes :

$[[8,0,2][5,4,6][7,3,1]] - f(n) = 19 + 6 = 25$
 $[[5,8,2][0,4,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[0,7,2][1,5,6][8,4,3]]$

Generated Nodes :

$[[7,0,2][1,5,6][8,4,3]] - \text{Already visited Node!}$
 $[[1,7,2][0,5,6][8,4,3]] - f(n) = 19 + 5 = 24$

Node Chosen for Level 19 - $[[0,7,2][3,5,1][6,8,4]]$

Generated Nodes :

$[[7,0,2][3,5,1][6,8,4]] - \text{Already visited Node!}$
 $[[3,7,2][0,5,1][6,8,4]] - f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - $[[0,1,2][5,3,4][7,8,6]]$

Generated Nodes :

$[[1,0,2][5,3,4][7,8,6]] - f(n) = 19 + 5 = 24$
 $[[5,1,2][0,3,4][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,1,2][3,0,4][7,8,6]]$

Generated Nodes :

$[[5,0,2][3,1,4][7,8,6]] - f(n) = 19 + 6 = 25$
 $[[5,1,2][3,4,0][7,8,6]] - f(n) = 19 + 6 = 25$
 $[[5,1,2][0,3,4][7,8,6]] - \text{Already visited Node!}$
 $[[5,1,2][3,8,4][7,0,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 20 - $[[5,0,2][4,8,6][7,3,1]]$

Generated Nodes :

$[[5,2,0][4,8,6][7,3,1]] - f(n) = 20 + 4 = 24$
 $[[0,5,2][4,8,6][7,3,1]] - f(n) = 20 + 5 = 25$
 $[[5,8,2][4,0,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,8,2][4,3,6][7,0,1]]$

Generated Nodes :

$[[5,8,2][4,0,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,8,2][4,3,6][7,1,0]] - f(n) = 20 + 5 = 25$
 $[[5,8,2][4,3,6][0,7,1]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 21 - $[[0,2,4][5,1,6][7,8,3]]$

Generated Nodes :

[[2,0,4][5,1,6][7,8,3]] - $f(n) = 21 + 5 = 26$
[[5,2,4][0,1,6][7,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][1,0,6][7,8,3]]

Generated Nodes :

[[5,0,4][1,2,6][7,8,3]] - $f(n) = 21 + 5 = 26$
[[5,2,4][1,6,0][7,8,3]] - $f(n) = 21 + 5 = 26$
[[5,2,4][0,1,6][7,8,3]] - Already visited Node!
[[5,2,4][1,8,6][7,0,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 - [[0,7,2][4,5,6][1,8,3]]

Generated Nodes :

[[7,0,2][4,5,6][1,8,3]] - Already visited Node!
[[4,7,2][0,5,6][1,8,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 20 - [[7,2,1][3,5,0][6,8,4]]

Generated Nodes :

[[7,2,0][3,5,1][6,8,4]] - Already visited Node!
[[7,2,1][3,0,5][6,8,4]] - $f(n) = 20 + 6 = 26$
[[7,2,1][3,5,4][6,8,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 19 - [[8,2,0][5,7,6][3,4,1]]

Generated Nodes :

[[8,0,2][5,7,6][3,4,1]] - Already visited Node!
[[8,2,6][5,7,0][3,4,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[3,2,0][5,7,4][1,8,6]]

Generated Nodes :

[[3,0,2][5,7,4][1,8,6]] - Already visited Node!
[[3,2,4][5,7,0][1,8,6]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[3,7,2][5,4,6][1,8,0]]

Generated Nodes :

[[3,7,2][5,4,0][1,8,6]] - Already visited Node!
[[3,7,2][5,4,6][1,0,8]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[7,2,4][1,3,5][0,8,6]]

Generated Nodes :

[[7,2,4][0,3,5][1,8,6]] - Already visited Node!
[[7,2,4][1,3,5][8,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[1,2,0][5,7,4][8,3,6]]

Generated Nodes :

[[1,0,2][5,7,4][8,3,6]] - Already visited Node!
[[1,2,4][5,7,0][8,3,6]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[1,7,2][5,4,6][8,3,0]]

Generated Nodes :

[[1,7,2][5,4,0][8,3,6]] - Already visited Node!
[[1,7,2][5,4,6][8,0,3]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[1,7,2][5,3,4][0,8,6]]

Generated Nodes :

[[1,7,2][0,3,4][5,8,6]] - $f(n) = 19 + 6 = 25$
[[1,7,2][5,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][4,6,1][0,8,3]]

Generated Nodes :

[[7,5,2][0,6,1][4,8,3]] - $f(n) = 19 + 7 = 26$
[[7,5,2][4,6,1][8,0,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][4,0,6][3,1,8]]

Generated Nodes :

[[7,0,2][4,5,6][3,1,8]] - $f(n) = 19 + 5 = 24$
[[7,5,2][4,6,0][3,1,8]] - $f(n) = 19 + 7 = 26$
[[7,5,2][0,4,6][3,1,8]] - Already visited Node!
[[7,5,2][4,1,6][3,0,8]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 21 - [[7,2,6][4,5,1][0,8,3]]

Generated Nodes :

[[7,2,6][0,5,1][4,8,3]] - $f(n) = 21 + 5 = 26$
[[7,2,6][4,5,1][8,0,3]] - Already visited Node!

Node Chosen for Level 18 - [[8,7,2][0,5,4][3,1,6]]

Generated Nodes :

$[[0,7,2][8,5,4][3,1,6]] - f(n) = 18 + 7 = 25$
 $[[8,7,2][5,0,4][3,1,6]] - \text{Already visited Node!}$
 $[[8,7,2][3,5,4][0,1,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[1,0,5][7,8,2][3,6,4]]$

Generated Nodes :

$[[1,5,0][7,8,2][3,6,4]] - f(n) = 18 + 7 = 25$
 $[[0,1,5][7,8,2][3,6,4]] - \text{Already visited Node!}$
 $[[1,8,5][7,0,2][3,6,4]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,0,2][6,5,1][8,3,4]]$

Generated Nodes :

$[[7,2,0][6,5,1][8,3,4]] - f(n) = 18 + 6 = 24$
 $[[0,7,2][6,5,1][8,3,4]] - f(n) = 18 + 7 = 25$
 $[[7,5,2][6,0,1][8,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[1,7,5][0,4,2][8,3,6]]$

Generated Nodes :

$[[0,7,5][1,4,2][8,3,6]] - \text{Already visited Node!}$
 $[[1,7,5][4,0,2][8,3,6]] - f(n) = 18 + 6 = 24$
 $[[1,7,5][8,4,2][0,3,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,0,2][1,5,3][8,6,4]]$

Generated Nodes :

$[[7,2,0][1,5,3][8,6,4]] - f(n) = 18 + 6 = 24$
 $[[0,7,2][1,5,3][8,6,4]] - f(n) = 18 + 7 = 25$
 $[[7,5,2][1,0,3][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,4,2][7,3,6][0,8,1]]$

Generated Nodes :

$[[5,4,2][0,3,6][7,8,1]] - f(n) = 19 + 5 = 24$
 $[[5,4,2][7,3,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[3,7,5][4,0,2][1,8,6]]$

Generated Nodes :

$[[3,0,5][4,7,2][1,8,6]] - f(n) = 19 + 6 = 25$
 $[[3,7,5][4,2,0][1,8,6]] - f(n) = 19 + 6 = 25$
 $[[3,7,5][0,4,2][1,8,6]] - \text{Already visited Node!}$
 $[[3,7,5][4,8,2][1,0,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,4,5][3,2,6][1,8,0]]

Generated Nodes :

[[7,4,5][3,2,0][1,8,6]] – Already visited Node!
[[7,4,5][3,2,6][1,0,8]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[5,3,2][7,4,6][1,8,0]]

Generated Nodes :

[[5,3,2][7,4,0][1,8,6]] – Already visited Node!
[[5,3,2][7,4,6][1,0,8]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[8,5,2][4,7,6][3,1,0]]

Generated Nodes :

[[8,5,2][4,7,0][3,1,6]] – Already visited Node!
[[8,5,2][4,7,6][3,0,1]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[8,2,7][4,0,5][3,1,6]]

Generated Nodes :

[[8,0,7][4,2,5][3,1,6]] – Already visited Node!
[[8,2,7][4,5,0][3,1,6]] – $f(n) = 19 + 5 = 24$
[[8,2,7][0,4,5][3,1,6]] – $f(n) = 19 + 7 = 26$
[[8,2,7][4,1,5][3,0,6]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[5,2,4][7,3,1][0,8,6]]

Generated Nodes :

[[5,2,4][0,3,1][7,8,6]] – $f(n) = 19 + 5 = 24$
[[5,2,4][7,3,1][8,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[8,2,0][5,1,4][7,3,6]]

Generated Nodes :

[[8,0,2][5,1,4][7,3,6]] – Already visited Node!
[[8,2,4][5,1,0][7,3,6]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[5,2,0][1,8,4][7,3,6]]

Generated Nodes :

[[5,0,2][1,8,4][7,3,6]] – Already visited Node!
[[5,2,4][1,8,0][7,3,6]] – $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 – [[5,8,2][1,4,6][7,3,0]]

Generated Nodes :

[[5,8,2][1,4,0][7,3,6]] - Already visited Node!
[[5,8,2][1,4,6][7,0,3]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 21 - [[3,7,2][4,5,6][0,8,1]]

Generated Nodes :

[[3,7,2][0,5,6][4,8,1]] - Already visited Node!
[[3,7,2][4,5,6][8,0,1]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 19 - [[7,4,5][3,2,6][1,8,0]]

Generated Nodes :

[[7,4,5][3,2,0][1,8,6]] - Already visited Node!
[[7,4,5][3,2,6][1,0,8]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[8,2,4][5,7,6][3,1,0]]

Generated Nodes :

[[8,2,4][5,7,0][3,1,6]] - Already visited Node!
[[8,2,4][5,7,6][3,0,1]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[5,1,2][7,4,6][0,8,3]]

Generated Nodes :

[[5,1,2][0,4,6][7,8,3]] - $f(n) = 19 + 5 = 24$
[[5,1,2][7,4,6][8,0,3]] - Already visited Node!

Node Chosen for Level 20 - [[1,7,2][0,5,6][8,4,3]]

Generated Nodes :

[[0,7,2][1,5,6][8,4,3]] - Already visited Node!
[[1,7,2][5,0,6][8,4,3]] - $f(n) = 20 + 6 = 26$
[[1,7,2][8,5,6][0,4,3]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[1,0,2][5,3,4][7,8,6]]

Generated Nodes :

[[1,2,0][5,3,4][7,8,6]] - $f(n) = 20 + 4 = 24$
[[0,1,2][5,3,4][7,8,6]] - Already visited Node!
[[1,3,2][5,0,4][7,8,6]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 21 - [[5,2,0][4,8,6][7,3,1]]

Generated Nodes :

[[5,0,2][4,8,6][7,3,1]] - Already visited Node!
[[5,2,6][4,8,0][7,3,1]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 20 - [[7,0,2][4,5,6][3,1,8]]

Generated Nodes :

[[7,2,0][4,5,6][3,1,8]] - $f(n) = 20 + 4 = 24$
[[0,7,2][4,5,6][3,1,8]] - $f(n) = 20 + 5 = 25$
[[7,5,2][4,0,6][3,1,8]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,0][6,5,1][8,3,4]]

Generated Nodes :

[[7,0,2][6,5,1][8,3,4]] - Already visited Node!
[[7,2,1][6,5,0][8,3,4]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[1,7,5][4,0,2][8,3,6]]

Generated Nodes :

[[1,0,5][4,7,2][8,3,6]] - $f(n) = 19 + 6 = 25$
[[1,7,5][4,2,0][8,3,6]] - $f(n) = 19 + 6 = 25$
[[1,7,5][0,4,2][8,3,6]] - Already visited Node!
[[1,7,5][4,3,2][8,0,6]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - [[7,2,0][1,5,3][8,6,4]]

Generated Nodes :

[[7,0,2][1,5,3][8,6,4]] - Already visited Node!
[[7,2,3][1,5,0][8,6,4]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 20 - [[5,4,2][0,3,6][7,8,1]]

Generated Nodes :

[[0,4,2][5,3,6][7,8,1]] - $f(n) = 20 + 5 = 25$
[[5,4,2][3,0,6][7,8,1]] - $f(n) = 20 + 5 = 25$
[[5,4,2][7,3,6][0,8,1]] - Already visited Node!

Node Chosen for Level 20 - [[8,2,7][4,5,0][3,1,6]]

Generated Nodes :

[[8,2,0][4,5,7][3,1,6]] - $f(n) = 20 + 5 = 25$
[[8,2,7][4,0,5][3,1,6]] - Already visited Node!
[[8,2,7][4,5,6][3,1,0]] - $f(n) = 20 + 4 = 24$

Node Chosen for Level 20 – [[5,2,4][0,3,1][7,8,6]]

Generated Nodes :

[[0,2,4][5,3,1][7,8,6]] – $f(n) = 20 + 5 = 25$
[[5,2,4][3,0,1][7,8,6]] – $f(n) = 20 + 5 = 25$
[[5,2,4][7,3,1][0,8,6]] – Already visited Node!

Node Chosen for Level 20 – [[5,1,2][0,4,6][7,8,3]]

Generated Nodes :

[[0,1,2][5,4,6][7,8,3]] – $f(n) = 20 + 5 = 25$
[[5,1,2][4,0,6][7,8,3]] – $f(n) = 20 + 4 = 24$
[[5,1,2][7,4,6][0,8,3]] – Already visited Node!

Node Chosen for Level 21 – [[1,2,0][5,3,4][7,8,6]]

Generated Nodes :

[[1,0,2][5,3,4][7,8,6]] – Already visited Node!
[[1,2,4][5,3,0][7,8,6]] – $f(n) = 21 + 4 = 25$

Node Chosen for Level 21 – [[7,2,0][4,5,6][3,1,8]]

Generated Nodes :

[[7,0,2][4,5,6][3,1,8]] – Already visited Node!
[[7,2,6][4,5,0][3,1,8]] – $f(n) = 21 + 5 = 26$

Node Chosen for Level 20 – [[7,2,3][1,5,0][8,6,4]]

Generated Nodes :

[[7,2,0][1,5,3][8,6,4]] – Already visited Node!
[[7,2,3][1,0,5][8,6,4]] – $f(n) = 20 + 6 = 26$
[[7,2,3][1,5,4][8,6,0]] – $f(n) = 20 + 5 = 25$

Node Chosen for Level 21 – [[8,2,7][4,5,6][3,1,0]]

Generated Nodes :

[[8,2,7][4,5,0][3,1,6]] – Already visited Node!
[[8,2,7][4,5,6][3,0,1]] – $f(n) = 21 + 4 = 25$

Node Chosen for Level 21 – [[5,1,2][4,0,6][7,8,3]]

Generated Nodes :

[[5,0,2][4,1,6][7,8,3]] – $f(n) = 21 + 4 = 25$
[[5,1,2][4,6,0][7,8,3]] – $f(n) = 21 + 5 = 26$
[[5,1,2][0,4,6][7,8,3]] – Already visited Node!

$[[5,1,2] [4,8,6] [7,0,3]] - f(n) = 21 + 5 = 26$

Node Chosen for Level 18 - $[[7,0,6] [8,2,5] [3,4,1]]$

Generated Nodes :

$[[7,6,0] [8,2,5] [3,4,1]] - f(n) = 18 + 8 = 26$
 $[[0,7,6] [8,2,5] [3,4,1]] - f(n) = 18 + 8 = 26$
 $[[7,2,6] [8,0,5] [3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,2] [5,6,0] [3,4,1]]$

Generated Nodes :

$[[8,7,0] [5,6,2] [3,4,1]] - f(n) = 18 + 8 = 26$
 $[[8,7,2] [5,0,6] [3,4,1]] - \text{Already visited Node!}$
 $[[8,7,2] [5,6,1] [3,4,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[3,7,2] [5,8,4] [1,0,6]]$

Generated Nodes :

$[[3,7,2] [5,0,4] [1,8,6]] - \text{Already visited Node!}$
 $[[3,7,2] [5,8,4] [1,6,0]] - f(n) = 18 + 8 = 26$
 $[[3,7,2] [5,8,4] [0,1,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,0,1] [8,2,5] [3,6,4]]$

Generated Nodes :

$[[7,1,0] [8,2,5] [3,6,4]] - \text{Already visited Node!}$
 $[[0,7,1] [8,2,5] [3,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,2,1] [8,0,5] [3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,0,4] [1,2,5] [8,3,6]]$

Generated Nodes :

$[[7,4,0] [1,2,5] [8,3,6]] - f(n) = 18 + 8 = 26$
 $[[0,7,4] [1,2,5] [8,3,6]] - f(n) = 18 + 8 = 26$
 $[[7,2,4] [1,0,5] [8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[4,7,2] [5,0,6] [8,3,1]]$

Generated Nodes :

$[[4,0,2] [5,7,6] [8,3,1]] - f(n) = 19 + 7 = 26$
 $[[4,7,2] [5,6,0] [8,3,1]] - f(n) = 19 + 8 = 27$
 $[[4,7,2] [0,5,6] [8,3,1]] - \text{Already visited Node!}$
 $[[4,7,2] [5,3,6] [8,0,1]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 18 - $[[7,5,2] [3,6,0] [1,4,8]]$

Generated Nodes :

[[7,5,0][3,6,2][1,4,8]] - $f(n) = 18 + 8 = 26$
[[7,5,2][3,0,6][1,4,8]] - Already visited Node!
[[7,5,2][3,6,8][1,4,0]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,6][8,0,1][3,5,4]]

Generated Nodes :

[[7,0,6][8,2,1][3,5,4]] - $f(n) = 19 + 8 = 27$
[[7,2,6][8,1,0][3,5,4]] - $f(n) = 19 + 7 = 26$
[[7,2,6][0,8,1][3,5,4]] - $f(n) = 19 + 7 = 26$
[[7,2,6][8,5,1][3,0,4]] - Already visited Node!

Node Chosen for Level 18 - [[5,8,2][7,6,0][3,4,1]]

Generated Nodes :

[[5,8,0][7,6,2][3,4,1]] - $f(n) = 18 + 8 = 26$
[[5,8,2][7,0,6][3,4,1]] - Already visited Node!
[[5,8,2][7,6,1][3,4,0]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - [[7,5,2][3,8,0][4,1,6]]

Generated Nodes :

[[7,5,0][3,8,2][4,1,6]] - $f(n) = 18 + 8 = 26$
[[7,5,2][3,0,8][4,1,6]] - $f(n) = 18 + 8 = 26$
[[7,5,2][3,8,6][4,1,0]] - Already visited Node!

Node Chosen for Level 18 - [[5,4,2][7,6,0][8,3,1]]

Generated Nodes :

[[5,4,0][7,6,2][8,3,1]] - $f(n) = 18 + 8 = 26$
[[5,4,2][7,0,6][8,3,1]] - Already visited Node!
[[5,4,2][7,6,1][8,3,0]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - [[2,0,4][5,7,8][3,1,6]]

Generated Nodes :

[[2,4,0][5,7,8][3,1,6]] - $f(n) = 18 + 8 = 26$
[[0,2,4][5,7,8][3,1,6]] - Already visited Node!
[[2,7,4][5,0,8][3,1,6]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - [[5,3,2][7,8,4][1,0,6]]

Generated Nodes :

$[[5,3,2][7,0,4][1,8,6]]$ - Already visited Node!
 $[[5,3,2][7,8,4][1,6,0]]$ - $f(n) = 18 + 8 = 26$
 $[[5,3,2][7,8,4][0,1,6]]$ - $f(n) = 18 + 8 = 26$

Node Chosen for Level 19 - $[[8,7,2][3,0,6][4,5,1]]$

Generated Nodes :

$[[8,0,2][3,7,6][4,5,1]]$ - $f(n) = 19 + 7 = 26$
 $[[8,7,2][3,6,0][4,5,1]]$ - $f(n) = 19 + 8 = 27$
 $[[8,7,2][0,3,6][4,5,1]]$ - $f(n) = 19 + 7 = 26$
 $[[8,7,2][3,5,6][4,0,1]]$ - Already visited Node!

Node Chosen for Level 19 - $[[7,2,1][8,0,4][3,5,6]]$

Generated Nodes :

$[[7,0,1][8,2,4][3,5,6]]$ - $f(n) = 19 + 8 = 27$
 $[[7,2,1][8,4,0][3,5,6]]$ - $f(n) = 19 + 7 = 26$
 $[[7,2,1][0,8,4][3,5,6]]$ - $f(n) = 19 + 7 = 26$
 $[[7,2,1][8,5,4][3,0,6]]$ - Already visited Node!

Node Chosen for Level 18 - $[[4,8,5][0,7,2][3,1,6]]$

Generated Nodes :

$[[0,8,5][4,7,2][3,1,6]]$ - Already visited Node!
 $[[4,8,5][7,0,2][3,1,6]]$ - Already visited Node!
 $[[4,8,5][3,7,2][0,1,6]]$ - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[8,7,5][0,1,2][4,3,6]]$

Generated Nodes :

$[[0,7,5][8,1,2][4,3,6]]$ - $f(n) = 18 + 8 = 26$
 $[[8,7,5][1,0,2][4,3,6]]$ - $f(n) = 18 + 8 = 26$
 $[[8,7,5][4,1,2][0,3,6]]$ - Already visited Node!

Node Chosen for Level 18 - $[[7,4,5][8,6,0][3,2,1]]$

Generated Nodes :

$[[7,4,0][8,6,5][3,2,1]]$ - $f(n) = 18 + 8 = 26$
 $[[7,4,5][8,0,6][3,2,1]]$ - Already visited Node!
 $[[7,4,5][8,6,1][3,2,0]]$ - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,8,2][7,6,0][3,4,1]]$

Generated Nodes :

$[[5,8,0][7,6,2][3,4,1]]$ - $f(n) = 18 + 8 = 26$
 $[[5,8,2][7,0,6][3,4,1]]$ - Already visited Node!

$[[5,8,2][7,6,1][3,4,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,0,4][7,2,1][8,3,6]]$

Generated Nodes :

$[[5,4,0][7,2,1][8,3,6]] - f(n) = 18 + 8 = 26$

$[[0,5,4][7,2,1][8,3,6]] - f(n) = 18 + 8 = 26$

$[[5,2,4][7,0,1][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,5,2][1,6,0][8,4,3]]$

Generated Nodes :

$[[7,5,0][1,6,2][8,4,3]] - f(n) = 18 + 8 = 26$

$[[7,5,2][1,0,6][8,4,3]] - \text{Already visited Node!}$

$[[7,5,2][1,6,3][8,4,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 19 - $[[1,7,2][8,0,4][3,5,6]]$

Generated Nodes :

$[[1,0,2][8,7,4][3,5,6]] - f(n) = 19 + 7 = 26$

$[[1,7,2][8,4,0][3,5,6]] - f(n) = 19 + 7 = 26$

$[[1,7,2][0,8,4][3,5,6]] - f(n) = 19 + 7 = 26$

$[[1,7,2][8,5,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[2,0,4][5,7,6][3,8,1]]$

Generated Nodes :

$[[2,4,0][5,7,6][3,8,1]] - f(n) = 20 + 6 = 26$

$[[0,2,4][5,7,6][3,8,1]] - \text{Already visited Node!}$

$[[2,7,4][5,0,6][3,8,1]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[5,2,4][3,7,6][8,0,1]]$

Generated Nodes :

$[[5,2,4][3,0,6][8,7,1]] - f(n) = 20 + 6 = 26$

$[[5,2,4][3,7,6][8,1,0]] - f(n) = 20 + 6 = 26$

$[[5,2,4][3,7,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[2,0,4][5,8,6][7,3,1]]$

Generated Nodes :

$[[2,4,0][5,8,6][7,3,1]] - f(n) = 20 + 6 = 26$

$[[0,2,4][5,8,6][7,3,1]] - \text{Already visited Node!}$

$[[2,8,4][5,0,6][7,3,1]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[5,0,4][8,2,6][7,3,1]]$

Generated Nodes :

$[5,4,0][8,2,6][7,3,1] - f(n) = 20 + 6 = 26$
 $[0,5,4][8,2,6][7,3,1] - f(n) = 20 + 6 = 26$
 $[5,2,4][8,0,6][7,3,1] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[5,2,4][8,6,0][7,3,1]$

Generated Nodes :

$[5,2,0][8,6,4][7,3,1] - f(n) = 20 + 6 = 26$
 $[5,2,4][8,0,6][7,3,1] - \text{Already visited Node!}$
 $[5,2,4][8,6,1][7,3,0] - f(n) = 20 + 6 = 26$

Node Chosen for Level 21 - $[7,2,4][5,0,6][1,8,3]$

Generated Nodes :

$[7,0,4][5,2,6][1,8,3] - f(n) = 21 + 6 = 27$
 $[7,2,4][5,6,0][1,8,3] - f(n) = 21 + 6 = 27$
 $[7,2,4][0,5,6][1,8,3] - \text{Already visited Node!}$
 $[7,2,4][5,8,6][1,0,3] - f(n) = 21 + 6 = 27$

Node Chosen for Level 19 - $[7,2,8][3,0,5][1,6,4]$

Generated Nodes :

$[7,0,8][3,2,5][1,6,4] - f(n) = 19 + 8 = 27$
 $[7,2,8][3,5,0][1,6,4] - \text{Already visited Node!}$
 $[7,2,8][0,3,5][1,6,4] - f(n) = 19 + 7 = 26$
 $[7,2,8][3,6,5][1,0,4] - f(n) = 19 + 7 = 26$

Node Chosen for Level 20 - $[5,2,4][7,3,6][1,0,8]$

Generated Nodes :

$[5,2,4][7,0,6][1,3,8] - f(n) = 20 + 6 = 26$
 $[5,2,4][7,3,6][1,8,0] - \text{Already visited Node!}$
 $[5,2,4][7,3,6][0,1,8] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[7,5,2][4,6,0][1,8,3]$

Generated Nodes :

$[7,5,0][4,6,2][1,8,3] - f(n) = 20 + 6 = 26$
 $[7,5,2][4,0,6][1,8,3] - \text{Already visited Node!}$
 $[7,5,2][4,6,3][1,8,0] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[7,5,2][4,8,6][1,0,3]$

Generated Nodes :

[[7,5,2][4,0,6][1,8,3]] - Already visited Node!
[[7,5,2][4,8,6][1,3,0]] - $f(n) = 20 + 6 = 26$
[[7,5,2][4,8,6][0,1,3]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,6][3,5,0][1,4,8]]

Generated Nodes :

[[7,2,0][3,5,6][1,4,8]] - Already visited Node!
[[7,2,6][3,0,5][1,4,8]] - $f(n) = 20 + 7 = 27$
[[7,2,6][3,5,8][1,4,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,8,2][4,6,0][7,3,1]]

Generated Nodes :

[[5,8,0][4,6,2][7,3,1]] - $f(n) = 20 + 6 = 26$
[[5,8,2][4,0,6][7,3,1]] - Already visited Node!
[[5,8,2][4,6,1][7,3,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,6][1,5,0][8,4,3]]

Generated Nodes :

[[7,2,0][1,5,6][8,4,3]] - Already visited Node!
[[7,2,6][1,0,5][8,4,3]] - $f(n) = 20 + 7 = 27$
[[7,2,6][1,5,3][8,4,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 22 - [[7,2,6][4,5,0][1,8,3]]

Generated Nodes :

[[7,2,0][4,5,6][1,8,3]] - Already visited Node!
[[7,2,6][4,0,5][1,8,3]] - $f(n) = 22 + 5 = 27$
[[7,2,6][4,5,3][1,8,0]] - $f(n) = 22 + 4 = 26$

Node Chosen for Level 19 - [[7,4,0][3,2,5][1,8,6]]

Generated Nodes :

[[7,0,4][3,2,5][1,8,6]] - Already visited Node!
[[7,4,5][3,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,7,4][3,2,5][1,8,6]]

Generated Nodes :

[[7,0,4][3,2,5][1,8,6]] - Already visited Node!
[[3,7,4][0,2,5][1,8,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[7,2,4][3,8,5][1,6,0]]

Generated Nodes :

[[7,2,4][3,8,0][1,6,5]] - $f(n) = 19 + 7 = 26$
[[7,2,4][3,8,5][1,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,4][3,8,5][0,1,6]]

Generated Nodes :

[[7,2,4][0,8,5][3,1,6]] - $f(n) = 19 + 7 = 26$
[[7,2,4][3,8,5][1,0,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,4][0,3,6][1,5,8]]

Generated Nodes :

[[0,2,4][7,3,6][1,5,8]] - $f(n) = 20 + 6 = 26$
[[7,2,4][3,0,6][1,5,8]] - Already visited Node!
[[7,2,4][1,3,6][0,5,8]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,6][4,3,5][8,0,1]]

Generated Nodes :

[[7,2,6][4,0,5][8,3,1]] - Already visited Node!
[[7,2,6][4,3,5][8,1,0]] - $f(n) = 20 + 6 = 26$
[[7,2,6][4,3,5][0,8,1]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 19 - [[3,7,2][1,5,4][8,6,0]]

Generated Nodes :

[[3,7,2][1,5,0][8,6,4]] - $f(n) = 19 + 7 = 26$
[[3,7,2][1,5,4][8,0,6]] - Already visited Node!

Node Chosen for Level 18 - [[8,0,2][5,7,1][3,6,4]]

Generated Nodes :

[[8,2,0][5,7,1][3,6,4]] - $f(n) = 18 + 7 = 25$
[[0,8,2][5,7,1][3,6,4]] - $f(n) = 18 + 8 = 26$
[[8,7,2][5,0,1][3,6,4]] - Already visited Node!

Node Chosen for Level 18 - [[8,7,2][5,1,0][3,6,4]]

Generated Nodes :

[[8,7,0][5,1,2][3,6,4]] - $f(n) = 18 + 8 = 26$
[[8,7,2][5,0,1][3,6,4]] - Already visited Node!
[[8,7,2][5,1,4][3,6,0]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[8,7,2][5,6,1][3,0,4]]

Generated Nodes :

[[8,7,2][5,0,1][3,6,4]] – Already visited Node!
[[8,7,2][5,6,1][3,4,0]] – $f(n) = 18 + 8 = 26$
[[8,7,2][5,6,1][0,3,4]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 19 – [[7,5,0][4,3,2][8,1,6]]

Generated Nodes :

[[7,0,5][4,3,2][8,1,6]] – $f(n) = 19 + 7 = 26$
[[7,5,2][4,3,0][8,1,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,5,2][4,0,3][8,1,6]]

Generated Nodes :

[[7,0,2][4,5,3][8,1,6]] – $f(n) = 19 + 6 = 25$
[[7,5,2][4,3,0][8,1,6]] – Already visited Node!
[[7,5,2][0,4,3][8,1,6]] – $f(n) = 19 + 8 = 27$
[[7,5,2][4,1,3][8,0,6]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 20 – [[7,2,4][0,1,6][8,5,3]]

Generated Nodes :

[[0,2,4][7,1,6][8,5,3]] – $f(n) = 20 + 6 = 26$
[[7,2,4][1,0,6][8,5,3]] – Already visited Node!
[[7,2,4][8,1,6][0,5,3]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 – [[5,2,6][7,0,8][3,4,1]]

Generated Nodes :

[[5,0,6][7,2,8][3,4,1]] – $f(n) = 19 + 8 = 27$
[[5,2,6][7,8,0][3,4,1]] – Already visited Node!
[[5,2,6][0,7,8][3,4,1]] – $f(n) = 19 + 7 = 26$
[[5,2,6][7,4,8][3,0,1]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[5,2,6][7,8,1][3,4,0]]

Generated Nodes :

[[5,2,6][7,8,0][3,4,1]] – Already visited Node!
[[5,2,6][7,8,1][3,0,4]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,5,0][3,6,2][4,8,1]]

Generated Nodes :

$[[7,0,5][3,6,2][4,8,1]] - f(n) = 19 + 7 = 26$
 $[[7,5,2][3,6,0][4,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,5,2][3,6,1][4,8,0]]$

Generated Nodes :

$[[7,5,2][3,6,0][4,8,1]] - \text{Already visited Node!}$
 $[[7,5,2][3,6,1][4,0,8]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[5,2,6][7,0,4][8,3,1]]$

Generated Nodes :

$[[5,0,6][7,2,4][8,3,1]] - f(n) = 19 + 8 = 27$
 $[[5,2,6][7,4,0][8,3,1]] - \text{Already visited Node!}$
 $[[5,2,6][0,7,4][8,3,1]] - f(n) = 19 + 7 = 26$
 $[[5,2,6][7,3,4][8,0,1]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[5,2,6][7,4,1][8,3,0]]$

Generated Nodes :

$[[5,2,6][7,4,0][8,3,1]] - \text{Already visited Node!}$
 $[[5,2,6][7,4,1][8,0,3]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 21 - $[[7,2,6][3,5,1][4,8,0]]$

Generated Nodes :

$[[7,2,6][3,5,0][4,8,1]] - \text{Already visited Node!}$
 $[[7,2,6][3,5,1][4,0,8]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 19 - $[[0,2,6][7,8,5][3,4,1]]$

Generated Nodes :

$[[2,0,6][7,8,5][3,4,1]] - f(n) = 19 + 8 = 27$
 $[[7,2,6][0,8,5][3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,2,6][3,8,5][0,4,1]]$

Generated Nodes :

$[[7,2,6][0,8,5][3,4,1]] - \text{Already visited Node!}$
 $[[7,2,6][3,8,5][4,0,1]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[7,2,6][8,4,5][3,1,0]]$

Generated Nodes :

$[[7,2,6][8,4,0][3,1,5]] - f(n) = 19 + 7 = 26$

[[7,2,6][8,4,5][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,2,6][8,4,5][0,3,1]]

Generated Nodes :

[[7,2,6][0,4,5][8,3,1]] - $f(n) = 19 + 7 = 26$
[[7,2,6][8,4,5][3,0,1]] - Already visited Node!

Node Chosen for Level 18 - [[5,4,8][7,2,0][3,1,6]]

Generated Nodes :

[[5,4,0][7,2,8][3,1,6]] - Already visited Node!
[[5,4,8][7,0,2][3,1,6]] - Already visited Node!
[[5,4,8][7,2,6][3,1,0]] - $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - [[7,5,4][0,2,8][3,1,6]]

Generated Nodes :

[[0,5,4][7,2,8][3,1,6]] - Already visited Node!
[[7,5,4][2,0,8][3,1,6]] - $f(n) = 18 + 8 = 26$
[[7,5,4][3,2,8][0,1,6]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 19 - [[0,8,2][5,7,6][3,4,1]]

Generated Nodes :

[[8,0,2][5,7,6][3,4,1]] - Already visited Node!
[[5,8,2][0,7,6][3,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,2][5,4,6][3,1,0]]

Generated Nodes :

[[8,7,2][5,4,0][3,1,6]] - $f(n) = 19 + 8 = 27$
[[8,7,2][5,4,6][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,2][5,4,6][0,3,1]]

Generated Nodes :

[[8,7,2][0,4,6][5,3,1]] - $f(n) = 19 + 7 = 26$
[[8,7,2][5,4,6][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[0,3,2][5,7,4][1,8,6]]

Generated Nodes :

[[3,0,2][5,7,4][1,8,6]] - Already visited Node!
[[5,3,2][0,7,4][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - $[[3,7,0][5,4,2][1,8,6]]$

Generated Nodes :

$[[3,0,7][5,4,2][1,8,6]] - f(n) = 19 + 7 = 26$
 $[[3,7,2][5,4,0][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[0,2,1][7,8,5][3,6,4]]$

Generated Nodes :

$[[2,0,1][7,8,5][3,6,4]] - f(n) = 19 + 8 = 27$
 $[[7,2,1][0,8,5][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,2,1][3,8,5][0,6,4]]$

Generated Nodes :

$[[7,2,1][0,8,5][3,6,4]] - \text{Already visited Node!}$
 $[[7,2,1][3,8,5][6,0,4]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[7,2,1][8,6,5][3,4,0]]$

Generated Nodes :

$[[7,2,1][8,6,0][3,4,5]] - f(n) = 19 + 7 = 26$
 $[[7,2,1][8,6,5][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,2,1][8,6,5][0,3,4]]$

Generated Nodes :

$[[7,2,1][0,6,5][8,3,4]] - f(n) = 19 + 7 = 26$
 $[[7,2,1][8,6,5][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[0,2,4][7,1,5][8,3,6]]$

Generated Nodes :

$[[2,0,4][7,1,5][8,3,6]] - f(n) = 19 + 8 = 27$
 $[[7,2,4][0,1,5][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,2,4][8,1,5][0,3,6]]$

Generated Nodes :

$[[7,2,4][0,1,5][8,3,6]] - \text{Already visited Node!}$
 $[[7,2,4][8,1,5][3,0,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[7,2,4][1,3,5][8,6,0]]$

Generated Nodes :

[[7,2,4][1,3,0][8,6,5]] - $f(n) = 19 + 7 = 26$
[[7,2,4][1,3,5][8,0,6]] - Already visited Node!

Node Chosen for Level 20 - [[4,7,2][8,5,6][3,0,1]]

Generated Nodes :

[[4,7,2][8,0,6][3,5,1]] - $f(n) = 20 + 7 = 27$
[[4,7,2][8,5,6][3,1,0]] - $f(n) = 20 + 6 = 26$
[[4,7,2][8,5,6][0,3,1]] - Already visited Node!

Node Chosen for Level 19 - [[1,7,0][5,4,2][8,3,6]]

Generated Nodes :

[[1,0,7][5,4,2][8,3,6]] - $f(n) = 19 + 7 = 26$
[[1,7,2][5,4,0][8,3,6]] - Already visited Node!

Node Chosen for Level 19 - [[1,7,2][5,3,4][8,6,0]]

Generated Nodes :

[[1,7,2][5,3,0][8,6,4]] - $f(n) = 19 + 7 = 26$
[[1,7,2][5,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,0,2][7,3,6][4,8,1]]

Generated Nodes :

[[5,2,0][7,3,6][4,8,1]] - $f(n) = 20 + 5 = 25$
[[0,5,2][7,3,6][4,8,1]] - Already visited Node!
[[5,3,2][7,0,6][4,8,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,5,4][0,2,6][3,8,1]]

Generated Nodes :

[[0,5,4][7,2,6][3,8,1]] - Already visited Node!
[[7,5,4][2,0,6][3,8,1]] - $f(n) = 20 + 6 = 26$
[[7,5,4][3,2,6][0,8,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 - [[0,7,5][4,6,2][8,3,1]]

Generated Nodes :

[[7,0,5][4,6,2][8,3,1]] - Already visited Node!
[[4,7,5][0,6,2][8,3,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,6,5][4,0,2][8,3,1]]

Generated Nodes :

[[7,0,5][4,6,2][8,3,1]] - Already visited Node!
[[7,6,5][4,2,0][8,3,1]] - $f(n) = 19 + 7 = 26$
[[7,6,5][0,4,2][8,3,1]] - $f(n) = 19 + 8 = 27$
[[7,6,5][4,3,2][8,0,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[7,5,2][4,0,1][8,6,3]]

Generated Nodes :

[[7,0,2][4,5,1][8,6,3]] - $f(n) = 19 + 6 = 25$
[[7,5,2][4,1,0][8,6,3]] - $f(n) = 19 + 7 = 26$
[[7,5,2][0,4,1][8,6,3]] - $f(n) = 19 + 8 = 27$
[[7,5,2][4,6,1][8,0,3]] - Already visited Node!

Node Chosen for Level 19 - [[0,5,2][7,3,6][1,4,8]]

Generated Nodes :

[[5,0,2][7,3,6][1,4,8]] - $f(n) = 19 + 7 = 26$
[[7,5,2][0,3,6][1,4,8]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][1,3,6][0,4,8]]

Generated Nodes :

[[7,5,2][0,3,6][1,4,8]] - Already visited Node!
[[7,5,2][1,3,6][4,0,8]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,5,2][7,4,6][3,1,8]]

Generated Nodes :

[[5,0,2][7,4,6][3,1,8]] - $f(n) = 19 + 7 = 26$
[[7,5,2][0,4,6][3,1,8]] - Already visited Node!

Node Chosen for Level 21 - [[0,2,4][7,5,6][3,1,8]]

Generated Nodes :

[[2,0,4][7,5,6][3,1,8]] - $f(n) = 21 + 6 = 27$
[[7,2,4][0,5,6][3,1,8]] - Already visited Node!

Node Chosen for Level 18 - [[8,7,5][0,6,2][3,4,1]]

Generated Nodes :

[[0,7,5][8,6,2][3,4,1]] - Already visited Node!
[[8,7,5][6,0,2][3,4,1]] - $f(n) = 18 + 8 = 26$
[[8,7,5][3,6,2][0,4,1]] - $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,6,5][8,2,0][3,4,1]]$

Generated Nodes :

 $[[7,6,0][8,2,5][3,4,1]] - f(n) = 18 + 8 = 26$
 $[[7,6,5][8,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[7,6,5][8,2,1][3,4,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,6,5][0,8,2][3,4,1]]$

Generated Nodes :

 $[[0,6,5][7,8,2][3,4,1]] - f(n) = 18 + 8 = 26$
 $[[7,6,5][8,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[7,6,5][3,8,2][0,4,1]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,6,5][8,4,2][3,0,1]]$

Generated Nodes :

 $[[7,6,5][8,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[7,6,5][8,4,2][3,1,0]] - f(n) = 18 + 8 = 26$
 $[[7,6,5][8,4,2][0,3,1]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 20 - $[[7,2,6][0,5,1][8,3,4]]$

Generated Nodes :

 $[[0,2,6][7,5,1][8,3,4]] - f(n) = 20 + 6 = 26$
 $[[7,2,6][5,0,1][8,3,4]] - f(n) = 20 + 7 = 27$
 $[[7,2,6][8,5,1][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,0,5][3,7,2][1,4,6]]$

Generated Nodes :

 $[[8,5,0][3,7,2][1,4,6]] - f(n) = 18 + 8 = 26$
 $[[0,8,5][3,7,2][1,4,6]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,0,2][1,4,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,5][3,2,0][1,4,6]]$

Generated Nodes :

 $[[8,7,0][3,2,5][1,4,6]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,0,2][1,4,6]] - \text{Already visited Node!}$
 $[[8,7,5][3,2,6][1,4,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[8,7,5][0,3,2][1,4,6]]$

Generated Nodes :

$[[0,7,5][8,3,2][1,4,6]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,0,2][1,4,6]] - \text{Already visited Node!}$
 $[[8,7,5][1,3,2][0,4,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[8,7,5][3,4,0][1,6,2]]$

Generated Nodes :

$[[8,7,0][3,4,5][1,6,2]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,0,4][1,6,2]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,4,2][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,4][0,2,5][3,1,6]]$

Generated Nodes :

$[[0,7,4][8,2,5][3,1,6]] - \text{Already visited Node!}$
 $[[8,7,4][2,0,5][3,1,6]] - f(n) = 18 + 8 = 26$
 $[[8,7,4][3,2,5][0,1,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[4,5,2][7,8,0][3,1,6]]$

Generated Nodes :

$[[4,5,0][7,8,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,5,2][7,0,8][3,1,6]] - f(n) = 18 + 8 = 26$
 $[[4,5,2][7,8,6][3,1,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[4,8,5][7,2,0][3,1,6]]$

Generated Nodes :

$[[4,8,0][7,2,5][3,1,6]] - f(n) = 18 + 8 = 26$
 $[[4,8,5][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,5][7,2,6][3,1,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[4,8,5][0,7,2][3,1,6]]$

Generated Nodes :

$[[0,8,5][4,7,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,5][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,5][3,7,2][0,1,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[4,8,5][7,1,2][3,0,6]]$

Generated Nodes :

$[[4,8,5][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,5][7,1,2][3,6,0]] - f(n) = 18 + 8 = 26$
 $[[4,8,5][7,1,2][0,3,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,4,5][3,8,0][1,6,2]]$

Generated Nodes :

 $[[7,4,0][3,8,5][1,6,2]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][3,0,8][1,6,2]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][3,8,2][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,0,4][8,1,5][3,6,2]]$

Generated Nodes :

 $[[7,4,0][8,1,5][3,6,2]] - \text{Already visited Node!}$
 $[[0,7,4][8,1,5][3,6,2]] - f(n) = 18 + 8 = 26$
 $[[7,1,4][8,0,5][3,6,2]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,0,5][8,4,1][3,6,2]]$

Generated Nodes :

 $[[7,5,0][8,4,1][3,6,2]] - f(n) = 18 + 8 = 26$
 $[[0,7,5][8,4,1][3,6,2]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][8,0,1][3,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,4,5][0,8,1][3,6,2]]$

Generated Nodes :

 $[[0,4,5][7,8,1][3,6,2]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][8,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][3,8,1][0,6,2]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,4,5][8,6,1][3,0,2]]$

Generated Nodes :

 $[[7,4,5][8,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][8,6,1][3,2,0]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][8,6,1][0,3,2]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[4,0,5][7,1,2][8,3,6]]$

Generated Nodes :

 $[[4,5,0][7,1,2][8,3,6]] - f(n) = 18 + 8 = 26$
 $[[0,4,5][7,1,2][8,3,6]] - \text{Already visited Node!}$
 $[[4,1,5][7,0,2][8,3,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,4,5][1,2,0][8,3,6]]$

Generated Nodes :

$[[7,4,0][1,2,5][8,3,6]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][1,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,4,5][1,2,6][8,3,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,4,5][1,3,2][8,0,6]]$

Generated Nodes :

$[[7,4,5][1,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,4,5][1,3,2][8,6,0]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][1,3,2][0,8,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,5,8][0,4,2][3,1,6]]$

Generated Nodes :

$[[0,5,8][7,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][4,0,2][3,1,6]] - f(n) = 18 + 7 = 25$
 $[[7,5,8][3,4,2][0,1,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,4,8][7,2,0][3,1,6]]$

Generated Nodes :

$[[5,4,0][7,2,8][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][7,2,6][3,1,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[5,4,8][0,7,2][3,1,6]]$

Generated Nodes :

$[[0,4,8][5,7,2][3,1,6]] - f(n) = 18 + 8 = 26$
 $[[5,4,8][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][3,7,2][0,1,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,4,8][7,1,2][3,0,6]]$

Generated Nodes :

$[[5,4,8][7,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][7,1,2][3,6,0]] - f(n) = 18 + 8 = 26$
 $[[5,4,8][7,1,2][0,3,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[8,7,2][5,4,0][3,1,6]]$

Generated Nodes :

$[[8,7,0][5,4,2][3,1,6]] - f(n) = 18 + 8 = 26$
 $[[8,7,2][5,0,4][3,1,6]] - \text{Already visited Node!}$
 $[[8,7,2][5,4,6][3,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 – [[8,7,2][5,1,4][3,0,6]]

Generated Nodes :

[[8,7,2][5,0,4][3,1,6]] – Already visited Node!
[[8,7,2][5,1,4][3,6,0]] – $f(n) = 18 + 8 = 26$
[[8,7,2][5,1,4][0,3,6]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[5,0,2][3,8,4][1,7,6]]

Generated Nodes :

[[5,2,0][3,8,4][1,7,6]] – $f(n) = 18 + 7 = 25$
[[0,5,2][3,8,4][1,7,6]] – $f(n) = 18 + 8 = 26$
[[5,8,2][3,0,4][1,7,6]] – Already visited Node!

Node Chosen for Level 18 – [[5,8,2][3,4,0][1,7,6]]

Generated Nodes :

[[5,8,0][3,4,2][1,7,6]] – $f(n) = 18 + 8 = 26$
[[5,8,2][3,0,4][1,7,6]] – Already visited Node!
[[5,8,2][3,4,6][1,7,0]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[5,8,2][0,3,4][1,7,6]]

Generated Nodes :

[[0,8,2][5,3,4][1,7,6]] – $f(n) = 18 + 8 = 26$
[[5,8,2][3,0,4][1,7,6]] – Already visited Node!
[[5,8,2][1,3,4][0,7,6]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[5,8,2][3,7,0][1,6,4]]

Generated Nodes :

[[5,8,0][3,7,2][1,6,4]] – $f(n) = 18 + 8 = 26$
[[5,8,2][3,0,7][1,6,4]] – $f(n) = 18 + 8 = 26$
[[5,8,2][3,7,4][1,6,0]] – Already visited Node!

Node Chosen for Level 18 – [[5,0,8][7,1,2][3,6,4]]

Generated Nodes :

[[5,8,0][7,1,2][3,6,4]] – Already visited Node!
[[0,5,8][7,1,2][3,6,4]] – $f(n) = 18 + 8 = 26$
[[5,1,8][7,0,2][3,6,4]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[5,8,2][0,7,1][3,6,4]]

Generated Nodes :

$[[0,8,2][5,7,1][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[5,8,2][7,0,1][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,2][3,7,1][0,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,8,2][7,6,1][3,0,4]]$

Generated Nodes :

$[[5,8,2][7,0,1][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,2][7,6,1][3,4,0]] - f(n) = 18 + 8 = 26$
 $[[5,8,2][7,6,1][0,3,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[3,7,5][0,8,2][1,6,4]]$

Generated Nodes :

$[[0,7,5][3,8,2][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,5][8,0,2][1,6,4]] - f(n) = 18 + 8 = 26$
 $[[3,7,5][1,8,2][0,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,8,5][3,2,0][1,6,4]]$

Generated Nodes :

$[[7,8,0][3,2,5][1,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,8,5][3,0,2][1,6,4]] - \text{Already visited Node!}$
 $[[7,8,5][3,2,4][1,6,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,8,5][0,3,2][1,6,4]]$

Generated Nodes :

$[[0,8,5][7,3,2][1,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,8,5][3,0,2][1,6,4]] - \text{Already visited Node!}$
 $[[7,8,5][1,3,2][0,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,8,5][3,6,2][1,0,4]]$

Generated Nodes :

$[[7,8,5][3,0,2][1,6,4]] - \text{Already visited Node!}$
 $[[7,8,5][3,6,2][1,4,0]] - f(n) = 18 + 8 = 26$
 $[[7,8,5][3,6,2][0,1,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[5,0,2][7,3,8][1,6,4]]$

Generated Nodes :

$[[5,2,0][7,3,8][1,6,4]] - f(n) = 18 + 7 = 25$
 $[[0,5,2][7,3,8][1,6,4]] - \text{Already visited Node!}$
 $[[5,3,2][7,0,8][1,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,5,2][1,3,8][6,0,4]]$

Generated Nodes :

 $[[7,5,2][1,0,8][6,3,4]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][1,3,8][6,4,0]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][1,3,8][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,5,2][3,6,0][1,4,8]]$

Generated Nodes :

 $[[7,5,0][3,6,2][1,4,8]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][3,0,6][1,4,8]] - \text{Already visited Node!}$
 $[[7,5,2][3,6,8][1,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,5,2][0,6,8][3,1,4]]$

Generated Nodes :

 $[[0,5,2][7,6,8][3,1,4]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][6,0,8][3,1,4]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][3,6,8][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,0,5][1,7,2][3,6,4]]$

Generated Nodes :

 $[[8,5,0][1,7,2][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[0,8,5][1,7,2][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][1,0,2][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[8,7,5][1,2,0][3,6,4]]$

Generated Nodes :

 $[[8,7,0][1,2,5][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][1,0,2][3,6,4]] - \text{Already visited Node!}$
 $[[8,7,5][1,2,4][3,6,0]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[8,7,5][1,6,2][3,0,4]]$

Generated Nodes :

 $[[8,7,5][1,0,2][3,6,4]] - \text{Already visited Node!}$
 $[[8,7,5][1,6,2][3,4,0]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][1,6,2][0,3,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[8,7,5][3,1,2][6,0,4]]$

Generated Nodes :

$[[8,7,5][3,0,2][6,1,4]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,1,2][6,4,0]] - f(n) = 18 + 8 = 26$
 $[[8,7,5][3,1,2][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,0,1][8,2,5][3,6,4]]$

Generated Nodes :

$[[7,1,0][8,2,5][3,6,4]] - \text{Already visited Node!}$
 $[[0,7,1][8,2,5][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,2,1][8,0,5][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,1,5][8,2,4][3,0,6]]$

Generated Nodes :

$[[7,1,5][8,0,4][3,2,6]] - f(n) = 18 + 8 = 26$
 $[[7,1,5][8,2,4][3,6,0]] - \text{Already visited Node!}$
 $[[7,1,5][8,2,4][0,3,6]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,1,5][3,8,2][6,0,4]]$

Generated Nodes :

$[[7,1,5][3,0,2][6,8,4]] - f(n) = 18 + 7 = 25$
 $[[7,1,5][3,8,2][6,4,0]] - f(n) = 18 + 8 = 26$
 $[[7,1,5][3,8,2][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,1,5][8,6,0][3,4,2]]$

Generated Nodes :

$[[7,1,0][8,6,5][3,4,2]] - f(n) = 18 + 8 = 26$
 $[[7,1,5][8,0,6][3,4,2]] - f(n) = 18 + 7 = 25$
 $[[7,1,5][8,6,2][3,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,1,5][0,6,2][8,3,4]]$

Generated Nodes :

$[[0,1,5][7,6,2][8,3,4]] - f(n) = 18 + 8 = 26$
 $[[7,1,5][6,0,2][8,3,4]] - f(n) = 18 + 8 = 26$
 $[[7,1,5][8,6,2][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[5,8,2][0,7,1][3,6,4]]$

Generated Nodes :

$[[0,8,2][5,7,1][3,6,4]] - f(n) = 18 + 8 = 26$
 $[[5,8,2][7,0,1][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,2][3,7,1][0,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[5,8,2][7,6,1][3,0,4]]

Generated Nodes :

[[5,8,2][7,0,1][3,6,4]] – Already visited Node!
[[5,8,2][7,6,1][3,4,0]] – $f(n) = 18 + 8 = 26$
[[5,8,2][7,6,1][0,3,4]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[7,5,2][3,8,0][6,4,1]]

Generated Nodes :

[[7,5,0][3,8,2][6,4,1]] – $f(n) = 18 + 8 = 26$
[[7,5,2][3,0,8][6,4,1]] – $f(n) = 18 + 8 = 26$
[[7,5,2][3,8,1][6,4,0]] – Already visited Node!

Node Chosen for Level 18 – [[5,0,2][7,6,1][8,3,4]]

Generated Nodes :

[[5,2,0][7,6,1][8,3,4]] – $f(n) = 18 + 7 = 25$
[[0,5,2][7,6,1][8,3,4]] – Already visited Node!
[[5,6,2][7,0,1][8,3,4]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[7,5,2][6,1,0][8,3,4]]

Generated Nodes :

[[7,5,0][6,1,2][8,3,4]] – $f(n) = 18 + 8 = 26$
[[7,5,2][6,0,1][8,3,4]] – Already visited Node!
[[7,5,2][6,1,4][8,3,0]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[7,5,2][6,3,1][8,0,4]]

Generated Nodes :

[[7,5,2][6,0,1][8,3,4]] – Already visited Node!
[[7,5,2][6,3,1][8,4,0]] – $f(n) = 18 + 8 = 26$
[[7,5,2][6,3,1][0,8,4]] – $f(n) = 18 + 7 = 25$

Node Chosen for Level 18 – [[5,0,1][7,4,2][8,3,6]]

Generated Nodes :

[[5,1,0][7,4,2][8,3,6]] – Already visited Node!
[[0,5,1][7,4,2][8,3,6]] – $f(n) = 18 + 8 = 26$
[[5,4,1][7,0,2][8,3,6]] – $f(n) = 18 + 8 = 26$

Node Chosen for Level 18 – [[5,1,2][8,7,4][3,0,6]]

Generated Nodes :

$[[5,1,2][8,0,4][3,7,6]] - f(n) = 18 + 8 = 26$
 $[[5,1,2][8,7,4][3,6,0]] - f(n) = 18 + 8 = 26$
 $[[5,1,2][8,7,4][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[5,1,2][7,3,0][8,6,4]]$

Generated Nodes :

$[[5,1,0][7,3,2][8,6,4]] - f(n) = 18 + 8 = 26$
 $[[5,1,2][7,0,3][8,6,4]] - f(n) = 18 + 8 = 26$
 $[[5,1,2][7,3,4][8,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[7,4,5][1,2,0][8,3,6]]$

Generated Nodes :

$[[7,4,0][1,2,5][8,3,6]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][1,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,4,5][1,2,6][8,3,0]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,4,5][1,3,2][8,0,6]]$

Generated Nodes :

$[[7,4,5][1,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,4,5][1,3,2][8,6,0]] - f(n) = 18 + 8 = 26$
 $[[7,4,5][1,3,2][0,8,6]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 18 - $[[7,0,5][1,3,2][8,6,4]]$

Generated Nodes :

$[[7,5,0][1,3,2][8,6,4]] - \text{Already visited Node!}$
 $[[0,7,5][1,3,2][8,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,3,5][1,0,2][8,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,5,2][0,1,3][8,6,4]]$

Generated Nodes :

$[[0,5,2][7,1,3][8,6,4]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][1,0,3][8,6,4]] - \text{Already visited Node!}$
 $[[7,5,2][8,1,3][0,6,4]] - f(n) = 18 + 8 = 26$

Node Chosen for Level 18 - $[[7,5,2][1,6,3][8,0,4]]$

Generated Nodes :

$[[7,5,2][1,0,3][8,6,4]] - \text{Already visited Node!}$
 $[[7,5,2][1,6,3][8,4,0]] - f(n) = 18 + 8 = 26$
 $[[7,5,2][1,6,3][0,8,4]] - f(n) = 18 + 7 = 25$

Node Chosen for Level 19 – $[[0,8,2][5,7,6][3,4,1]]$

Generated Nodes :

 $[[8,0,2][5,7,6][3,4,1]]$ – Already visited Node!
 $[[5,8,2][0,7,6][3,4,1]]$ – Already visited Node!

Node Chosen for Level 19 – $[[5,8,2][3,7,6][0,4,1]]$

Generated Nodes :

 $[[5,8,2][0,7,6][3,4,1]]$ – Already visited Node!
 $[[5,8,2][3,7,6][4,0,1]]$ – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – $[[0,4,2][5,7,6][8,3,1]]$

Generated Nodes :

 $[[4,0,2][5,7,6][8,3,1]]$ – $f(n) = 19 + 7 = 26$
 $[[5,4,2][0,7,6][8,3,1]]$ – Already visited Node!

Node Chosen for Level 19 – $[[5,4,2][8,7,6][0,3,1]]$

Generated Nodes :

 $[[5,4,2][0,7,6][8,3,1]]$ – Already visited Node!
 $[[5,4,2][8,7,6][3,0,1]]$ – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – $[[5,4,2][7,3,6][8,1,0]]$

Generated Nodes :

 $[[5,4,2][7,3,0][8,1,6]]$ – $f(n) = 19 + 8 = 27$
 $[[5,4,2][7,3,6][8,0,1]]$ – Already visited Node!

Node Chosen for Level 19 – $[[5,2,4][3,0,8][1,7,6]]$

Generated Nodes :

 $[[5,0,4][3,2,8][1,7,6]]$ – $f(n) = 19 + 8 = 27$
 $[[5,2,4][3,8,0][1,7,6]]$ – $f(n) = 19 + 7 = 26$
 $[[5,2,4][0,3,8][1,7,6]]$ – $f(n) = 19 + 7 = 26$
 $[[5,2,4][3,7,8][1,0,6]]$ – Already visited Node!

Node Chosen for Level 19 – $[[5,2,4][3,7,8][1,6,0]]$

Generated Nodes :

 $[[5,2,4][3,7,0][1,6,8]]$ – $f(n) = 19 + 7 = 26$
 $[[5,2,4][3,7,8][1,0,6]]$ – Already visited Node!

Node Chosen for Level 19 – $[[5,2,0][7,1,4][3,6,8]]$

Generated Nodes :

[[5,0,2][7,1,4][3,6,8]] - $f(n) = 19 + 8 = 27$
[[5,2,4][7,1,0][3,6,8]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][7,0,1][3,6,8]]

Generated Nodes :

[[5,0,4][7,2,1][3,6,8]] - $f(n) = 19 + 8 = 27$
[[5,2,4][7,1,0][3,6,8]] - Already visited Node!
[[5,2,4][0,7,1][3,6,8]] - $f(n) = 19 + 7 = 26$
[[5,2,4][7,6,1][3,0,8]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[3,7,5][1,4,2][0,8,6]]

Generated Nodes :

[[3,7,5][0,4,2][1,8,6]] - Already visited Node!
[[3,7,5][1,4,2][8,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,4,0][3,2,5][1,8,6]]

Generated Nodes :

[[7,0,4][3,2,5][1,8,6]] - Already visited Node!
[[7,4,5][3,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,4,5][7,3,2][1,8,6]]

Generated Nodes :

[[4,0,5][7,3,2][1,8,6]] - $f(n) = 19 + 7 = 26$
[[7,4,5][0,3,2][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][1,3,2][0,8,6]]

Generated Nodes :

[[7,4,5][0,3,2][1,8,6]] - Already visited Node!
[[7,4,5][1,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[5,3,0][7,4,2][1,8,6]]

Generated Nodes :

[[5,0,3][7,4,2][1,8,6]] - $f(n) = 19 + 6 = 25$
[[5,3,2][7,4,0][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,3,2][5,7,4][1,8,6]]

Generated Nodes :

[[3,0,2][5,7,4][1,8,6]] - Already visited Node!
[[5,3,2][0,7,4][1,8,6]] - Already visited Node!

Node Chosen for Level 19 - [[5,3,2][1,7,4][0,8,6]]

Generated Nodes :

[[5,3,2][0,7,4][1,8,6]] - Already visited Node!
[[5,3,2][1,7,4][8,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[8,7,2][3,5,1][6,4,0]]

Generated Nodes :

[[8,7,2][3,5,0][6,4,1]] - $f(n) = 19 + 7 = 26$
[[8,7,2][3,5,1][6,0,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,1][0,5,4][8,3,6]]

Generated Nodes :

[[0,2,1][7,5,4][8,3,6]] - $f(n) = 20 + 6 = 26$
[[7,2,1][5,0,4][8,3,6]] - $f(n) = 20 + 7 = 27$
[[7,2,1][8,5,4][0,3,6]] - Already visited Node!

Node Chosen for Level 19 - [[8,5,2][4,0,7][3,1,6]]

Generated Nodes :

[[8,0,2][4,5,7][3,1,6]] - $f(n) = 19 + 6 = 25$
[[8,5,2][4,7,0][3,1,6]] - Already visited Node!
[[8,5,2][0,4,7][3,1,6]] - $f(n) = 19 + 8 = 27$
[[8,5,2][4,1,7][3,0,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,8,7][4,2,5][3,1,6]]

Generated Nodes :

[[8,0,7][4,2,5][3,1,6]] - Already visited Node!
[[4,8,7][0,2,5][3,1,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[8,7,0][4,1,5][3,6,2]]

Generated Nodes :

[[8,0,7][4,1,5][3,6,2]] - $f(n) = 19 + 7 = 26$
[[8,7,5][4,1,0][3,6,2]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,5][4,0,1][3,6,2]]

Generated Nodes :

[[8,0,5][4,7,1][3,6,2]] - $f(n) = 19 + 7 = 26$
[[8,7,5][4,1,0][3,6,2]] - Already visited Node!
[[8,7,5][0,4,1][3,6,2]] - $f(n) = 19 + 8 = 27$
[[8,7,5][4,6,1][3,0,2]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[7,5,0][8,4,6][3,2,1]]

Generated Nodes :

[[7,0,5][8,4,6][3,2,1]] - Already visited Node!
[[7,5,6][8,4,0][3,2,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,7,5][8,4,6][3,2,1]]

Generated Nodes :

[[7,0,5][8,4,6][3,2,1]] - Already visited Node!
[[8,7,5][0,4,6][3,2,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,4,5][7,8,6][3,2,1]]

Generated Nodes :

[[4,0,5][7,8,6][3,2,1]] - $f(n) = 19 + 7 = 26$
[[7,4,5][0,8,6][3,2,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][3,8,6][0,2,1]]

Generated Nodes :

[[7,4,5][0,8,6][3,2,1]] - Already visited Node!
[[7,4,5][3,8,6][2,0,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,4,5][7,2,6][8,3,1]]

Generated Nodes :

[[4,0,5][7,2,6][8,3,1]] - $f(n) = 19 + 7 = 26$
[[7,4,5][0,2,6][8,3,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][2,0,6][8,3,1]]

Generated Nodes :

[[7,0,5][2,4,6][8,3,1]] - $f(n) = 19 + 7 = 26$
[[7,4,5][2,6,0][8,3,1]] - $f(n) = 19 + 8 = 27$
[[7,4,5][0,2,6][8,3,1]] - Already visited Node!
[[7,4,5][2,3,6][8,0,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,8,2][5,7,6][3,4,1]]

Generated Nodes :

[[8,0,2][5,7,6][3,4,1]] - Already visited Node!
[[5,8,2][0,7,6][3,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][3,7,6][0,4,1]]

Generated Nodes :

[[5,8,2][0,7,6][3,4,1]] - Already visited Node!
[[5,8,2][3,7,6][4,0,1]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,2,4][5,7,1][8,3,6]]

Generated Nodes :

[[2,0,4][5,7,1][8,3,6]] - $f(n) = 19 + 8 = 27$
[[5,2,4][0,7,1][8,3,6]] - Already visited Node!

Node Chosen for Level 19 - [[5,2,4][8,7,1][0,3,6]]

Generated Nodes :

[[5,2,4][0,7,1][8,3,6]] - Already visited Node!
[[5,2,4][8,7,1][3,0,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[5,2,4][7,3,1][8,6,0]]

Generated Nodes :

[[5,2,4][7,3,0][8,6,1]] - $f(n) = 19 + 7 = 26$
[[5,2,4][7,3,1][8,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,5,2][7,1,6][8,4,3]]

Generated Nodes :

[[5,0,2][7,1,6][8,4,3]] - $f(n) = 19 + 7 = 26$
[[7,5,2][0,1,6][8,4,3]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][8,1,6][0,4,3]]

Generated Nodes :

[[7,5,2][0,1,6][8,4,3]] - Already visited Node!
[[7,5,2][8,1,6][4,0,3]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 20 - [[1,7,2][8,5,0][3,6,4]]

Generated Nodes :

$[[1,7,0][8,5,2][3,6,4]] - f(n) = 20 + 6 = 26$
 $[[1,7,2][8,0,5][3,6,4]] - f(n) = 20 + 7 = 27$
 $[[1,7,2][8,5,4][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,1,2][5,0,4][7,3,6]]$

Generated Nodes :

$[[8,0,2][5,1,4][7,3,6]] - \text{Already visited Node!}$
 $[[8,1,2][5,4,0][7,3,6]] - f(n) = 19 + 7 = 26$
 $[[8,1,2][0,5,4][7,3,6]] - f(n) = 19 + 6 = 25$
 $[[8,1,2][5,3,4][7,0,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[0,5,2][1,8,4][7,3,6]]$

Generated Nodes :

$[[5,0,2][1,8,4][7,3,6]] - \text{Already visited Node!}$
 $[[1,5,2][0,8,4][7,3,6]] - f(n) = 19 + 6 = 25$

Node Chosen for Level 19 - $[[5,8,0][1,4,2][7,3,6]]$

Generated Nodes :

$[[5,0,8][1,4,2][7,3,6]] - f(n) = 19 + 7 = 26$
 $[[5,8,2][1,4,0][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,8,2][1,3,4][7,6,0]]$

Generated Nodes :

$[[5,8,2][1,3,0][7,6,4]] - f(n) = 19 + 7 = 26$
 $[[5,8,2][1,3,4][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[3,7,2][1,5,8][0,6,4]]$

Generated Nodes :

$[[3,7,2][0,5,8][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,2][1,5,8][6,0,4]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 20 - $[[5,0,2][7,3,6][4,8,1]]$

Generated Nodes :

$[[5,2,0][7,3,6][4,8,1]] - f(n) = 20 + 5 = 25$
 $[[0,5,2][7,3,6][4,8,1]] - \text{Already visited Node!}$
 $[[5,3,2][7,0,6][4,8,1]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[5,2,4][0,7,3][1,8,6]]$

Generated Nodes :

[[0,2,4][5,7,3][1,8,6]] - $f(n) = 20 + 6 = 26$
[[5,2,4][7,0,3][1,8,6]] - Already visited Node!
[[5,2,4][1,7,3][0,8,6]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 21 - [[5,2,4][8,3,6][7,1,0]]

Generated Nodes :

[[5,2,4][8,3,0][7,1,6]] - $f(n) = 21 + 6 = 27$
[[5,2,4][8,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 20 - [[8,0,5][4,7,6][3,2,1]]

Generated Nodes :

[[8,5,0][4,7,6][3,2,1]] - $f(n) = 20 + 6 = 26$
[[0,8,5][4,7,6][3,2,1]] - $f(n) = 20 + 6 = 26$
[[8,7,5][4,0,6][3,2,1]] - Already visited Node!

Node Chosen for Level 20 - [[5,2,4][0,7,6][8,1,3]]

Generated Nodes :

[[0,2,4][5,7,6][8,1,3]] - $f(n) = 20 + 6 = 26$
[[5,2,4][7,0,6][8,1,3]] - Already visited Node!
[[5,2,4][8,7,6][0,1,3]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,0,2][7,4,6][1,8,3]]

Generated Nodes :

[[5,2,0][7,4,6][1,8,3]] - $f(n) = 20 + 5 = 25$
[[0,5,2][7,4,6][1,8,3]] - Already visited Node!
[[5,4,2][7,0,6][1,8,3]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,8][3,5,4][1,0,6]]

Generated Nodes :

[[7,2,8][3,0,4][1,5,6]] - $f(n) = 20 + 7 = 27$
[[7,2,8][3,5,4][1,6,0]] - Already visited Node!
[[7,2,8][3,5,4][0,1,6]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[3,7,2][0,5,6][1,4,8]]

Generated Nodes :

[[0,7,2][3,5,6][1,4,8]] - Already visited Node!
[[3,7,2][5,0,6][1,4,8]] - $f(n) = 20 + 7 = 27$
[[3,7,2][1,5,6][0,4,8]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 – [[7,4,0][3,2,5][1,8,6]]

Generated Nodes :

[[7,0,4][3,2,5][1,8,6]] – Already visited Node!
[[7,4,5][3,2,0][1,8,6]] – Already visited Node!

Node Chosen for Level 19 – [[0,4,5][7,3,2][1,8,6]]

Generated Nodes :

[[4,0,5][7,3,2][1,8,6]] – $f(n) = 19 + 7 = 26$
[[7,4,5][0,3,2][1,8,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,4,5][1,3,2][0,8,6]]

Generated Nodes :

[[7,4,5][0,3,2][1,8,6]] – Already visited Node!
[[7,4,5][1,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[8,2,4][5,0,7][3,1,6]]

Generated Nodes :

[[8,0,4][5,2,7][3,1,6]] – $f(n) = 19 + 8 = 27$
[[8,2,4][5,7,0][3,1,6]] – Already visited Node!
[[8,2,4][0,5,7][3,1,6]] – $f(n) = 19 + 6 = 25$
[[8,2,4][5,1,7][3,0,6]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[5,2,1][7,0,8][3,6,4]]

Generated Nodes :

[[5,0,1][7,2,8][3,6,4]] – $f(n) = 19 + 8 = 27$
[[5,2,1][7,8,0][3,6,4]] – Already visited Node!
[[5,2,1][0,7,8][3,6,4]] – $f(n) = 19 + 7 = 26$
[[5,2,1][7,6,8][3,0,4]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[5,2,1][7,8,4][3,6,0]]

Generated Nodes :

[[5,2,1][7,8,0][3,6,4]] – Already visited Node!
[[5,2,1][7,8,4][3,0,6]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,5,0][3,1,2][6,8,4]]

Generated Nodes :

[[7,0,5][3,1,2][6,8,4]] – $f(n) = 19 + 7 = 26$
[[7,5,2][3,1,0][6,8,4]] – Already visited Node!

Node Chosen for Level 19 – [[7,5,2][3,1,4][6,8,0]]

Generated Nodes :

[[7,5,2][3,1,0][6,8,4]] – Already visited Node!
[[7,5,2][3,1,4][6,0,8]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[0,5,2][7,3,1][6,8,4]]

Generated Nodes :

[[5,0,2][7,3,1][6,8,4]] – $f(n) = 19 + 7 = 26$
[[7,5,2][0,3,1][6,8,4]] – Already visited Node!

Node Chosen for Level 19 – [[7,5,2][6,3,1][0,8,4]]

Generated Nodes :

[[7,5,2][0,3,1][6,8,4]] – Already visited Node!
[[7,5,2][6,3,1][8,0,4]] – Already visited Node!

Node Chosen for Level 19 – [[5,1,2][7,0,6][8,4,3]]

Generated Nodes :

[[5,0,2][7,1,6][8,4,3]] – $f(n) = 19 + 7 = 26$
[[5,1,2][7,6,0][8,4,3]] – $f(n) = 19 + 8 = 27$
[[5,1,2][0,7,6][8,4,3]] – $f(n) = 19 + 7 = 26$
[[5,1,2][7,4,6][8,0,3]] – Already visited Node!

Node Chosen for Level 20 – [[5,2,4][1,8,0][7,3,6]]

Generated Nodes :

[[5,2,0][1,8,4][7,3,6]] – Already visited Node!
[[5,2,4][1,0,8][7,3,6]] – Already visited Node!
[[5,2,4][1,8,6][7,3,0]] – $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 – [[5,2,4][1,3,8][7,0,6]]

Generated Nodes :

[[5,2,4][1,0,8][7,3,6]] – Already visited Node!
[[5,2,4][1,3,8][7,6,0]] – $f(n) = 20 + 6 = 26$
[[5,2,4][1,3,8][0,7,6]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[8,0,2][5,4,6][7,3,1]]

Generated Nodes :

[[8,2,0][5,4,6][7,3,1]] – $f(n) = 20 + 5 = 25$

[[0,8,2][5,4,6][7,3,1]] - Already visited Node!
[[8,4,2][5,0,6][7,3,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[3,7,2][0,5,1][6,8,4]]

Generated Nodes :

[[0,7,2][3,5,1][6,8,4]] - Already visited Node!
[[3,7,2][5,0,1][6,8,4]] - $f(n) = 20 + 7 = 27$
[[3,7,2][6,5,1][0,8,4]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,0,2][3,1,4][7,8,6]]

Generated Nodes :

[[5,2,0][3,1,4][7,8,6]] - $f(n) = 20 + 5 = 25$
[[0,5,2][3,1,4][7,8,6]] - $f(n) = 20 + 6 = 26$
[[5,1,2][3,0,4][7,8,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,1,2][3,4,0][7,8,6]]

Generated Nodes :

[[5,1,0][3,4,2][7,8,6]] - $f(n) = 20 + 6 = 26$
[[5,1,2][3,0,4][7,8,6]] - Already visited Node!
[[5,1,2][3,4,6][7,8,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 21 - [[0,5,2][4,8,6][7,3,1]]

Generated Nodes :

[[5,0,2][4,8,6][7,3,1]] - Already visited Node!
[[4,5,2][0,8,6][7,3,1]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[5,8,2][4,3,6][7,1,0]]

Generated Nodes :

[[5,8,2][4,3,0][7,1,6]] - $f(n) = 21 + 6 = 27$
[[5,8,2][4,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,1][3,5,4][6,8,0]]

Generated Nodes :

[[7,2,1][3,5,0][6,8,4]] - Already visited Node!
[[7,2,1][3,5,4][6,0,8]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 - [[3,2,4][5,7,0][1,8,6]]

Generated Nodes :

[[3,2,0][5,7,4][1,8,6]] - Already visited Node!
[[3,2,4][5,0,7][1,8,6]] - $f(n) = 20 + 6 = 26$
[[3,2,4][5,7,6][1,8,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[1,2,4][5,7,0][8,3,6]]

Generated Nodes :

[[1,2,0][5,7,4][8,3,6]] - Already visited Node!
[[1,2,4][5,0,7][8,3,6]] - $f(n) = 20 + 6 = 26$
[[1,2,4][5,7,6][8,3,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[1,7,2][5,4,6][8,0,3]]

Generated Nodes :

[[1,7,2][5,0,6][8,4,3]] - $f(n) = 20 + 6 = 26$
[[1,7,2][5,4,6][8,3,0]] - Already visited Node!
[[1,7,2][5,4,6][0,8,3]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[1,7,2][0,3,4][5,8,6]]

Generated Nodes :

[[0,7,2][1,3,4][5,8,6]] - $f(n) = 20 + 7 = 27$
[[1,7,2][3,0,4][5,8,6]] - $f(n) = 20 + 6 = 26$
[[1,7,2][5,3,4][0,8,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,2][4,1,6][3,0,8]]

Generated Nodes :

[[7,5,2][4,0,6][3,1,8]] - Already visited Node!
[[7,5,2][4,1,6][3,8,0]] - $f(n) = 20 + 5 = 25$
[[7,5,2][4,1,6][0,3,8]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 - [[0,7,2][8,5,4][3,1,6]]

Generated Nodes :

[[7,0,2][8,5,4][3,1,6]] - Already visited Node!
[[8,7,2][0,5,4][3,1,6]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,2][3,5,4][0,1,6]]

Generated Nodes :

[[8,7,2][0,5,4][3,1,6]] - Already visited Node!
[[8,7,2][3,5,4][1,0,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[1,5,0][7,8,2][3,6,4]]

Generated Nodes :

[[1,0,5][7,8,2][3,6,4]] - Already visited Node!
[[1,5,2][7,8,0][3,6,4]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[1,8,5][7,0,2][3,6,4]]

Generated Nodes :

[[1,0,5][7,8,2][3,6,4]] - Already visited Node!
[[1,8,5][7,2,0][3,6,4]] - $f(n) = 19 + 7 = 26$
[[1,8,5][0,7,2][3,6,4]] - $f(n) = 19 + 7 = 26$
[[1,8,5][7,6,2][3,0,4]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,7,2][6,5,1][8,3,4]]

Generated Nodes :

[[7,0,2][6,5,1][8,3,4]] - Already visited Node!
[[6,7,2][0,5,1][8,3,4]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[1,7,5][8,4,2][0,3,6]]

Generated Nodes :

[[1,7,5][0,4,2][8,3,6]] - Already visited Node!
[[1,7,5][8,4,2][3,0,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - [[0,7,2][1,5,3][8,6,4]]

Generated Nodes :

[[7,0,2][1,5,3][8,6,4]] - Already visited Node!
[[1,7,2][0,5,3][8,6,4]] - $f(n) = 19 + 6 = 25$

Node Chosen for Level 20 - [[3,0,5][4,7,2][1,8,6]]

Generated Nodes :

[[3,5,0][4,7,2][1,8,6]] - $f(n) = 20 + 6 = 26$
[[0,3,5][4,7,2][1,8,6]] - $f(n) = 20 + 6 = 26$
[[3,7,5][4,0,2][1,8,6]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,5][4,2,0][1,8,6]]

Generated Nodes :

[[3,7,0][4,2,5][1,8,6]] - $f(n) = 20 + 6 = 26$
[[3,7,5][4,0,2][1,8,6]] - Already visited Node!
[[3,7,5][4,2,6][1,8,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[8,5,2][4,7,6][3,0,1]]

Generated Nodes :

[[8,5,2][4,0,6][3,7,1]] - $f(n) = 20 + 6 = 26$
[[8,5,2][4,7,6][3,1,0]] - Already visited Node!
[[8,5,2][4,7,6][0,3,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[8,2,7][4,1,5][3,0,6]]

Generated Nodes :

[[8,2,7][4,0,5][3,1,6]] - Already visited Node!
[[8,2,7][4,1,5][3,6,0]] - $f(n) = 20 + 6 = 26$
[[8,2,7][4,1,5][0,3,6]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[8,2,4][5,1,0][7,3,6]]

Generated Nodes :

[[8,2,0][5,1,4][7,3,6]] - Already visited Node!
[[8,2,4][5,0,1][7,3,6]] - $f(n) = 20 + 6 = 26$
[[8,2,4][5,1,6][7,3,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[5,2,4][1,8,0][7,3,6]]

Generated Nodes :

[[5,2,0][1,8,4][7,3,6]] - Already visited Node!
[[5,2,4][1,0,8][7,3,6]] - Already visited Node!
[[5,2,4][1,8,6][7,3,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[5,8,2][1,4,6][7,0,3]]

Generated Nodes :

[[5,8,2][1,0,6][7,4,3]] - $f(n) = 20 + 6 = 26$
[[5,8,2][1,4,6][7,3,0]] - Already visited Node!
[[5,8,2][1,4,6][0,7,3]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[8,2,4][5,7,6][3,0,1]]

Generated Nodes :

[[8,2,4][5,0,6][3,7,1]] - $f(n) = 20 + 6 = 26$
[[8,2,4][5,7,6][3,1,0]] - Already visited Node!
[[8,2,4][5,7,6][0,3,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 21 - [[1,7,2][8,5,6][0,4,3]]

Generated Nodes :

[[1,7,2][0,5,6][8,4,3]] - Already visited Node!

[[1,7,2][8,5,6][4,0,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 - [[1,3,2][5,0,4][7,8,6]]

Generated Nodes :

[[1,0,2][5,3,4][7,8,6]] - Already visited Node!

[[1,3,2][5,4,0][7,8,6]] - $f(n) = 21 + 5 = 26$

[[1,3,2][0,5,4][7,8,6]] - $f(n) = 21 + 4 = 25$

[[1,3,2][5,8,4][7,0,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,7,2][4,5,6][3,1,8]]

Generated Nodes :

[[7,0,2][4,5,6][3,1,8]] - Already visited Node!

[[4,7,2][0,5,6][3,1,8]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 - [[7,2,1][6,5,0][8,3,4]]

Generated Nodes :

[[7,2,0][6,5,1][8,3,4]] - Already visited Node!

[[7,2,1][6,0,5][8,3,4]] - $f(n) = 20 + 7 = 27$

[[7,2,1][6,5,4][8,3,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[1,0,5][4,7,2][8,3,6]]

Generated Nodes :

[[1,5,0][4,7,2][8,3,6]] - $f(n) = 20 + 6 = 26$

[[0,1,5][4,7,2][8,3,6]] - $f(n) = 20 + 7 = 27$

[[1,7,5][4,0,2][8,3,6]] - Already visited Node!

Node Chosen for Level 20 - [[1,7,5][4,2,0][8,3,6]]

Generated Nodes :

[[1,7,0][4,2,5][8,3,6]] - $f(n) = 20 + 6 = 26$

[[1,7,5][4,0,2][8,3,6]] - Already visited Node!

[[1,7,5][4,2,6][8,3,0]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 20 - [[1,7,5][4,3,2][8,0,6]]

Generated Nodes :

[[1,7,5][4,0,2][8,3,6]] - Already visited Node!

[[1,7,5][4,3,2][8,6,0]] - $f(n) = 20 + 6 = 26$

[[1,7,5][4,3,2][0,8,6]] - $f(n) = 20 + 5 = 25$

Node Chosen for Level 21 - [[0,4,2][5,3,6][7,8,1]]

Generated Nodes :

$[4,0,2][5,3,6][7,8,1]$ - $f(n) = 21 + 5 = 26$
 $[5,4,2][0,3,6][7,8,1]$ - Already visited Node!

Node Chosen for Level 21 - $[5,4,2][3,0,6][7,8,1]$

Generated Nodes :

$[5,0,2][3,4,6][7,8,1]$ - $f(n) = 21 + 5 = 26$
 $[5,4,2][3,6,0][7,8,1]$ - $f(n) = 21 + 6 = 27$
 $[5,4,2][0,3,6][7,8,1]$ - Already visited Node!
 $[5,4,2][3,8,6][7,0,1]$ - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[8,2,0][4,5,7][3,1,6]$

Generated Nodes :

$[8,0,2][4,5,7][3,1,6]$ - $f(n) = 21 + 6 = 27$
 $[8,2,7][4,5,0][3,1,6]$ - Already visited Node!

Node Chosen for Level 21 - $[0,2,4][5,3,1][7,8,6]$

Generated Nodes :

$[2,0,4][5,3,1][7,8,6]$ - $f(n) = 21 + 6 = 27$
 $[5,2,4][0,3,1][7,8,6]$ - Already visited Node!

Node Chosen for Level 21 - $[5,2,4][3,0,1][7,8,6]$

Generated Nodes :

$[5,0,4][3,2,1][7,8,6]$ - $f(n) = 21 + 6 = 27$
 $[5,2,4][3,1,0][7,8,6]$ - $f(n) = 21 + 5 = 26$
 $[5,2,4][0,3,1][7,8,6]$ - Already visited Node!
 $[5,2,4][3,8,1][7,0,6]$ - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[0,1,2][5,4,6][7,8,3]$

Generated Nodes :

$[1,0,2][5,4,6][7,8,3]$ - $f(n) = 21 + 4 = 25$
 $[5,1,2][0,4,6][7,8,3]$ - Already visited Node!

Node Chosen for Level 22 - $[1,2,4][5,3,0][7,8,6]$

Generated Nodes :

$[1,2,0][5,3,4][7,8,6]$ - Already visited Node!
 $[1,2,4][5,0,3][7,8,6]$ - $f(n) = 22 + 4 = 26$
 $[1,2,4][5,3,6][7,8,0]$ - $f(n) = 22 + 3 = 25$

Node Chosen for Level 21 – [[7,2,3][1,5,4][8,6,0]]

Generated Nodes :

[[7,2,3][1,5,0][8,6,4]] – Already visited Node!
[[7,2,3][1,5,4][8,0,6]] – $f(n) = 21 + 5 = 26$

Node Chosen for Level 22 – [[8,2,7][4,5,6][3,0,1]]

Generated Nodes :

[[8,2,7][4,0,6][3,5,1]] – $f(n) = 22 + 5 = 27$
[[8,2,7][4,5,6][3,1,0]] – Already visited Node!
[[8,2,7][4,5,6][0,3,1]] – $f(n) = 22 + 4 = 26$

Node Chosen for Level 22 – [[5,0,2][4,1,6][7,8,3]]

Generated Nodes :

[[5,2,0][4,1,6][7,8,3]] – $f(n) = 22 + 3 = 25$
[[0,5,2][4,1,6][7,8,3]] – $f(n) = 22 + 4 = 26$
[[5,1,2][4,0,6][7,8,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,2,6][4,3,5][0,8,1]]

Generated Nodes :

[[7,2,6][0,3,5][4,8,1]] – $f(n) = 21 + 6 = 27$
[[7,2,6][4,3,5][8,0,1]] – Already visited Node!

Node Chosen for Level 19 – [[8,2,0][5,7,1][3,6,4]]

Generated Nodes :

[[8,0,2][5,7,1][3,6,4]] – Already visited Node!
[[8,2,1][5,7,0][3,6,4]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 20 – [[7,0,2][4,5,3][8,1,6]]

Generated Nodes :

[[7,2,0][4,5,3][8,1,6]] – $f(n) = 20 + 5 = 25$
[[0,7,2][4,5,3][8,1,6]] – $f(n) = 20 + 6 = 26$
[[7,5,2][4,0,3][8,1,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,4,8][7,2,6][3,1,0]]

Generated Nodes :

[[5,4,8][7,2,0][3,1,6]] – Already visited Node!
[[5,4,8][7,2,6][3,0,1]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 21 – [[5,2,0][7,3,6][4,8,1]]

Generated Nodes :

[[5,0,2][7,3,6][4,8,1]] – Already visited Node!
[[5,2,6][7,3,0][4,8,1]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 – [[7,0,2][4,5,1][8,6,3]]

Generated Nodes :

[[7,2,0][4,5,1][8,6,3]] – $f(n) = 20 + 5 = 25$
[[0,7,2][4,5,1][8,6,3]] – $f(n) = 20 + 6 = 26$
[[7,5,2][4,0,1][8,6,3]] – Already visited Node!

Node Chosen for Level 19 – [[8,7,5][3,2,6][1,4,0]]

Generated Nodes :

[[8,7,5][3,2,0][1,4,6]] – Already visited Node!
[[8,7,5][3,2,6][1,0,4]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[4,5,2][7,8,6][3,1,0]]

Generated Nodes :

[[4,5,2][7,8,0][3,1,6]] – Already visited Node!
[[4,5,2][7,8,6][3,0,1]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[4,8,5][7,2,6][3,1,0]]

Generated Nodes :

[[4,8,5][7,2,0][3,1,6]] – Already visited Node!
[[4,8,5][7,2,6][3,0,1]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,4,5][1,2,6][8,3,0]]

Generated Nodes :

[[7,4,5][1,2,0][8,3,6]] – Already visited Node!
[[7,4,5][1,2,6][8,0,3]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,4,5][1,3,2][0,8,6]]

Generated Nodes :

[[7,4,5][0,3,2][1,8,6]] – Already visited Node!
[[7,4,5][1,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,5,8][4,0,2][3,1,6]]

Generated Nodes :

$[[7,0,8][4,5,2][3,1,6]] - f(n) = 19 + 6 = 25$
 $[[7,5,8][4,2,0][3,1,6]] - f(n) = 19 + 7 = 26$
 $[[7,5,8][0,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][4,1,2][3,0,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[5,4,8][7,2,6][3,1,0]]$

Generated Nodes :

$[[5,4,8][7,2,0][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][7,2,6][3,0,1]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[5,2,0][3,8,4][1,7,6]]$

Generated Nodes :

$[[5,0,2][3,8,4][1,7,6]] - \text{Already visited Node!}$
 $[[5,2,4][3,8,0][1,7,6]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[5,8,2][3,4,6][1,7,0]]$

Generated Nodes :

$[[5,8,2][3,4,0][1,7,6]] - \text{Already visited Node!}$
 $[[5,8,2][3,4,6][1,0,7]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[5,2,0][7,3,8][1,6,4]]$

Generated Nodes :

$[[5,0,2][7,3,8][1,6,4]] - \text{Already visited Node!}$
 $[[5,2,8][7,3,0][1,6,4]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[7,1,5][3,0,2][6,8,4]]$

Generated Nodes :

$[[7,0,5][3,1,2][6,8,4]] - f(n) = 19 + 7 = 26$
 $[[7,1,5][3,2,0][6,8,4]] - f(n) = 19 + 7 = 26$
 $[[7,1,5][0,3,2][6,8,4]] - f(n) = 19 + 7 = 26$
 $[[7,1,5][3,8,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,1,5][8,0,6][3,4,2]]$

Generated Nodes :

$[[7,0,5][8,1,6][3,4,2]] - f(n) = 19 + 7 = 26$
 $[[7,1,5][8,6,0][3,4,2]] - \text{Already visited Node!}$
 $[[7,1,5][0,8,6][3,4,2]] - f(n) = 19 + 7 = 26$
 $[[7,1,5][8,4,6][3,0,2]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[5,2,0][7,6,1][8,3,4]]

Generated Nodes :

[[5,0,2][7,6,1][8,3,4]] – Already visited Node!
[[5,2,1][7,6,0][8,3,4]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,5,2][6,3,1][0,8,4]]

Generated Nodes :

[[7,5,2][0,3,1][6,8,4]] – Already visited Node!
[[7,5,2][6,3,1][8,0,4]] – Already visited Node!

Node Chosen for Level 19 – [[7,4,5][1,2,6][8,3,0]]

Generated Nodes :

[[7,4,5][1,2,0][8,3,6]] – Already visited Node!
[[7,4,5][1,2,6][8,0,3]] – $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 – [[7,4,5][1,3,2][0,8,6]]

Generated Nodes :

[[7,4,5][0,3,2][1,8,6]] – Already visited Node!
[[7,4,5][1,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,5,2][1,6,3][0,8,4]]

Generated Nodes :

[[7,5,2][0,6,3][1,8,4]] – $f(n) = 19 + 7 = 26$
[[7,5,2][1,6,3][8,0,4]] – Already visited Node!

Node Chosen for Level 20 – [[5,0,3][7,4,2][1,8,6]]

Generated Nodes :

[[5,3,0][7,4,2][1,8,6]] – Already visited Node!
[[0,5,3][7,4,2][1,8,6]] – $f(n) = 20 + 6 = 26$
[[5,4,3][7,0,2][1,8,6]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 – [[8,0,2][4,5,7][3,1,6]]

Generated Nodes :

[[8,2,0][4,5,7][3,1,6]] – Already visited Node!
[[0,8,2][4,5,7][3,1,6]] – $f(n) = 20 + 6 = 26$
[[8,5,2][4,0,7][3,1,6]] – Already visited Node!

Node Chosen for Level 20 – [[8,1,2][0,5,4][7,3,6]]

Generated Nodes :

[[0,1,2][8,5,4][7,3,6]] – $f(n) = 20 + 6 = 26$
[[8,1,2][5,0,4][7,3,6]] – Already visited Node!
[[8,1,2][7,5,4][0,3,6]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[1,5,2][0,8,4][7,3,6]]

Generated Nodes :

[[0,5,2][1,8,4][7,3,6]] – Already visited Node!
[[1,5,2][8,0,4][7,3,6]] – $f(n) = 20 + 6 = 26$
[[1,5,2][7,8,4][0,3,6]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 – [[5,2,0][7,3,6][4,8,1]]

Generated Nodes :

[[5,0,2][7,3,6][4,8,1]] – Already visited Node!
[[5,2,6][7,3,0][4,8,1]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,2,0][7,4,6][1,8,3]]

Generated Nodes :

[[5,0,2][7,4,6][1,8,3]] – Already visited Node!
[[5,2,6][7,4,0][1,8,3]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 – [[8,2,4][0,5,7][3,1,6]]

Generated Nodes :

[[0,2,4][8,5,7][3,1,6]] – $f(n) = 20 + 6 = 26$
[[8,2,4][5,0,7][3,1,6]] – Already visited Node!
[[8,2,4][3,5,7][0,1,6]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 21 – [[5,2,4][1,8,6][7,3,0]]

Generated Nodes :

[[5,2,4][1,8,0][7,3,6]] – Already visited Node!
[[5,2,4][1,8,6][7,0,3]] – $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 – [[8,2,0][5,4,6][7,3,1]]

Generated Nodes :

[[8,0,2][5,4,6][7,3,1]] – Already visited Node!
[[8,2,6][5,4,0][7,3,1]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,2,0][3,1,4][7,8,6]]

Generated Nodes :

[[5,0,2][3,1,4][7,8,6]] – Already visited Node!
[[5,2,4][3,1,0][7,8,6]] – $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 – [[5,1,2][3,4,6][7,8,0]]

Generated Nodes :

[[5,1,2][3,4,0][7,8,6]] – Already visited Node!
[[5,1,2][3,4,6][7,0,8]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[3,2,4][5,7,6][1,8,0]]

Generated Nodes :

[[3,2,4][5,7,0][1,8,6]] – Already visited Node!
[[3,2,4][5,7,6][1,0,8]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[1,2,4][5,7,6][8,3,0]]

Generated Nodes :

[[1,2,4][5,7,0][8,3,6]] – Already visited Node!
[[1,2,4][5,7,6][8,0,3]] – $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 – [[1,7,2][5,4,6][0,8,3]]

Generated Nodes :

[[1,7,2][0,4,6][5,8,3]] – $f(n) = 21 + 5 = 26$
[[1,7,2][5,4,6][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][4,1,6][3,8,0]]

Generated Nodes :

[[7,5,2][4,1,0][3,8,6]] – $f(n) = 21 + 6 = 27$
[[7,5,2][4,1,6][3,0,8]] – Already visited Node!

Node Chosen for Level 20 – [[1,7,2][0,5,3][8,6,4]]

Generated Nodes :

[[0,7,2][1,5,3][8,6,4]] – Already visited Node!
[[1,7,2][5,0,3][8,6,4]] – $f(n) = 20 + 7 = 27$
[[1,7,2][8,5,3][0,6,4]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 21 – [[3,7,5][4,2,6][1,8,0]]

Generated Nodes :

[[3,7,5][4,2,0][1,8,6]] - Already visited Node!
[[3,7,5][4,2,6][1,0,8]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[8,2,4][5,1,6][7,3,0]]

Generated Nodes :

[[8,2,4][5,1,0][7,3,6]] - Already visited Node!
[[8,2,4][5,1,6][7,0,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 - [[5,2,4][1,8,6][7,3,0]]

Generated Nodes :

[[5,2,4][1,8,0][7,3,6]] - Already visited Node!
[[5,2,4][1,8,6][7,0,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 22 - [[1,3,2][0,5,4][7,8,6]]

Generated Nodes :

[[0,3,2][1,5,4][7,8,6]] - $f(n) = 22 + 5 = 27$
[[1,3,2][5,0,4][7,8,6]] - Already visited Node!
[[1,3,2][7,5,4][0,8,6]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 21 - [[1,7,5][4,2,6][8,3,0]]

Generated Nodes :

[[1,7,5][4,2,0][8,3,6]] - Already visited Node!
[[1,7,5][4,2,6][8,0,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 21 - [[1,7,5][4,3,2][0,8,6]]

Generated Nodes :

[[1,7,5][0,3,2][4,8,6]] - $f(n) = 21 + 6 = 27$
[[1,7,5][4,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,2][5,4,6][7,8,3]]

Generated Nodes :

[[1,2,0][5,4,6][7,8,3]] - $f(n) = 22 + 3 = 25$
[[0,1,2][5,4,6][7,8,3]] - Already visited Node!
[[1,4,2][5,0,6][7,8,3]] - $f(n) = 22 + 4 = 26$

Node Chosen for Level 23 - [[1,2,4][5,3,6][7,8,0]]

Generated Nodes :

[[1,2,4][5,3,0][7,8,6]] - Already visited Node!
[[1,2,4][5,3,6][7,0,8]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 23 - [[5,2,0][4,1,6][7,8,3]]

Generated Nodes :

[[5,0,2][4,1,6][7,8,3]] - Already visited Node!
[[5,2,6][4,1,0][7,8,3]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 21 - [[7,2,0][4,5,3][8,1,6]]

Generated Nodes :

[[7,0,2][4,5,3][8,1,6]] - Already visited Node!
[[7,2,3][4,5,0][8,1,6]] - $f(n) = 21 + 4 = 25$

Node Chosen for Level 21 - [[7,2,0][4,5,1][8,6,3]]

Generated Nodes :

[[7,0,2][4,5,1][8,6,3]] - Already visited Node!
[[7,2,1][4,5,0][8,6,3]] - $f(n) = 21 + 5 = 26$

Node Chosen for Level 20 - [[7,0,8][4,5,2][3,1,6]]

Generated Nodes :

[[7,8,0][4,5,2][3,1,6]] - $f(n) = 20 + 6 = 26$
[[0,7,8][4,5,2][3,1,6]] - $f(n) = 20 + 6 = 26$
[[7,5,8][4,0,2][3,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,0][5,4,6][7,8,3]]

Generated Nodes :

[[1,0,2][5,4,6][7,8,3]] - Already visited Node!
[[1,2,6][5,4,0][7,8,3]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 22 - [[7,2,3][4,5,0][8,1,6]]

Generated Nodes :

[[7,2,0][4,5,3][8,1,6]] - Already visited Node!
[[7,2,3][4,0,5][8,1,6]] - $f(n) = 22 + 5 = 27$
[[7,2,3][4,5,6][8,1,0]] - $f(n) = 22 + 3 = 25$

Node Chosen for Level 23 - [[7,2,3][4,5,6][8,1,0]]

Generated Nodes :

[[7,2,3][4,5,0][8,1,6]] - Already visited Node!
[[7,2,3][4,5,6][8,0,1]] - $f(n) = 23 + 3 = 26$

Node Chosen for Level 20 - [[7,0,4][3,2,6][1,5,8]]

Generated Nodes :

[[7,4,0][3,2,6][1,5,8]] - $f(n) = 20 + 7 = 27$
[[0,7,4][3,2,6][1,5,8]] - $f(n) = 20 + 7 = 27$
[[7,2,4][3,0,6][1,5,8]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,4][3,6,0][1,5,8]]

Generated Nodes :

[[7,2,0][3,6,4][1,5,8]] - $f(n) = 20 + 7 = 27$
[[7,2,4][3,0,6][1,5,8]] - Already visited Node!
[[7,2,4][3,6,8][1,5,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,0,6][4,2,5][8,3,1]]

Generated Nodes :

[[7,6,0][4,2,5][8,3,1]] - $f(n) = 20 + 7 = 27$
[[0,7,6][4,2,5][8,3,1]] - $f(n) = 20 + 7 = 27$
[[7,2,6][4,0,5][8,3,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,6][0,4,5][8,3,1]]

Generated Nodes :

[[0,2,6][7,4,5][8,3,1]] - $f(n) = 20 + 7 = 27$
[[7,2,6][4,0,5][8,3,1]] - Already visited Node!
[[7,2,6][8,4,5][0,3,1]] - Already visited Node!

Node Chosen for Level 19 - [[3,7,2][1,0,4][8,5,6]]

Generated Nodes :

[[3,0,2][1,7,4][8,5,6]] - $f(n) = 19 + 8 = 27$
[[3,7,2][1,4,0][8,5,6]] - $f(n) = 19 + 8 = 27$
[[3,7,2][0,1,4][8,5,6]] - $f(n) = 19 + 8 = 27$
[[3,7,2][1,5,4][8,0,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,4][1,2,6][8,5,3]]

Generated Nodes :

[[7,4,0][1,2,6][8,5,3]] - $f(n) = 20 + 7 = 27$
[[0,7,4][1,2,6][8,5,3]] - $f(n) = 20 + 7 = 27$
[[7,2,4][1,0,6][8,5,3]] - Already visited Node!

Node Chosen for Level 20 – [[7,2,4][1,6,0][8,5,3]]

Generated Nodes :

[[7,2,0][1,6,4][8,5,3]] – $f(n) = 20 + 7 = 27$
[[7,2,4][1,0,6][8,5,3]] – Already visited Node!
[[7,2,4][1,6,3][8,5,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 – [[7,2,6][3,0,5][4,8,1]]

Generated Nodes :

[[7,0,6][3,2,5][4,8,1]] – $f(n) = 21 + 7 = 28$
[[7,2,6][3,5,0][4,8,1]] – Already visited Node!
[[7,2,6][0,3,5][4,8,1]] – $f(n) = 21 + 6 = 27$
[[7,2,6][3,8,5][4,0,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 19 – [[0,1,2][5,7,4][8,3,6]]

Generated Nodes :

[[1,0,2][5,7,4][8,3,6]] – Already visited Node!
[[5,1,2][0,7,4][8,3,6]] – Already visited Node!

Node Chosen for Level 20 – [[5,4,6][7,2,0][3,8,1]]

Generated Nodes :

[[5,4,0][7,2,6][3,8,1]] – Already visited Node!
[[5,4,6][7,0,2][3,8,1]] – $f(n) = 20 + 7 = 27$
[[5,4,6][7,2,1][3,8,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[5,0,2][7,6,4][3,8,1]]

Generated Nodes :

[[5,2,0][7,6,4][3,8,1]] – Already visited Node!
[[0,5,2][7,6,4][3,8,1]] – $f(n) = 20 + 7 = 27$
[[5,6,2][7,0,4][3,8,1]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[5,2,4][7,6,1][3,0,8]]

Generated Nodes :

[[5,2,4][7,0,1][3,6,8]] – Already visited Node!
[[5,2,4][7,6,1][3,8,0]] – Already visited Node!
[[5,2,4][7,6,1][0,3,8]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[2,0,4][7,3,5][1,8,6]]

Generated Nodes :

$[[2,4,0][7,3,5][1,8,6]] - f(n) = 20 + 7 = 27$
 $[[0,2,4][7,3,5][1,8,6]] - \text{Already visited Node!}$
 $[[2,3,4][7,0,5][1,8,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - $[[7,2,4][5,0,6][3,1,8]]$

Generated Nodes :

$[[7,0,4][5,2,6][3,1,8]] - f(n) = 21 + 7 = 28$
 $[[7,2,4][5,6,0][3,1,8]] - f(n) = 21 + 7 = 28$
 $[[7,2,4][0,5,6][3,1,8]] - \text{Already visited Node!}$
 $[[7,2,4][5,1,6][3,0,8]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[7,2,6][4,0,1][8,5,3]]$

Generated Nodes :

$[[7,0,6][4,2,1][8,5,3]] - f(n) = 21 + 7 = 28$
 $[[7,2,6][4,1,0][8,5,3]] - f(n) = 21 + 6 = 27$
 $[[7,2,6][0,4,1][8,5,3]] - f(n) = 21 + 7 = 28$
 $[[7,2,6][4,5,1][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[8,7,2][3,5,0][4,1,6]]$

Generated Nodes :

$[[8,7,0][3,5,2][4,1,6]] - f(n) = 20 + 7 = 27$
 $[[8,7,2][3,0,5][4,1,6]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][3,5,6][4,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,2][3,0,1][6,5,4]]$

Generated Nodes :

$[[8,0,2][3,7,1][6,5,4]] - f(n) = 19 + 8 = 27$
 $[[8,7,2][3,1,0][6,5,4]] - f(n) = 19 + 8 = 27$
 $[[8,7,2][0,3,1][6,5,4]] - f(n) = 19 + 8 = 27$
 $[[8,7,2][3,5,1][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,8,2][1,3,4][0,7,6]]$

Generated Nodes :

$[[5,8,2][0,3,4][1,7,6]] - \text{Already visited Node!}$
 $[[5,8,2][1,3,4][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[3,7,2][5,0,8][1,6,4]]$

Generated Nodes :

$[[3,0,2][5,7,8][1,6,4]] - f(n) = 19 + 8 = 27$
 $[[3,7,2][5,8,0][1,6,4]] - f(n) = 19 + 8 = 27$

[[3,7,2][0,5,8][1,6,4]] - Already visited Node!
[[3,7,2][5,6,8][1,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 20 - [[5,0,4][7,2,3][1,8,6]]

Generated Nodes :

[[5,4,0][7,2,3][1,8,6]] - $f(n) = 20 + 7 = 27$
[[0,5,4][7,2,3][1,8,6]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,0,3][1,8,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,2,4][7,8,3][1,0,6]]

Generated Nodes :

[[5,2,4][7,0,3][1,8,6]] - Already visited Node!
[[5,2,4][7,8,3][1,6,0]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,8,3][0,1,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - [[5,2,4][8,3,6][0,7,1]]

Generated Nodes :

[[5,2,4][0,3,6][8,7,1]] - $f(n) = 21 + 6 = 27$
[[5,2,4][8,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,5][4,6,0][3,2,1]]

Generated Nodes :

[[8,7,0][4,6,5][3,2,1]] - $f(n) = 20 + 7 = 27$
[[8,7,5][4,0,6][3,2,1]] - Already visited Node!
[[8,7,5][4,6,1][3,2,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[8,7,5][0,4,6][3,2,1]]

Generated Nodes :

[[0,7,5][8,4,6][3,2,1]] - Already visited Node!
[[8,7,5][4,0,6][3,2,1]] - Already visited Node!
[[8,7,5][3,4,6][0,2,1]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[8,7,5][0,2,6][4,3,1]]

Generated Nodes :

[[0,7,5][8,2,6][4,3,1]] - $f(n) = 20 + 7 = 27$
[[8,7,5][2,0,6][4,3,1]] - $f(n) = 20 + 7 = 27$
[[8,7,5][4,2,6][0,3,1]] - Already visited Node!

Node Chosen for Level 20 - [[5,0,4][7,2,6][8,1,3]]

Generated Nodes :

[[5,4,0][7,2,6][8,1,3]] - $f(n) = 20 + 7 = 27$
[[0,5,4][7,2,6][8,1,3]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,0,6][8,1,3]] - Already visited Node!

Node Chosen for Level 20 - [[5,2,4][7,6,0][8,1,3]]

Generated Nodes :

[[5,2,0][7,6,4][8,1,3]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,0,6][8,1,3]] - Already visited Node!
[[5,2,4][7,6,3][8,1,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 22 - [[2,0,4][7,5,6][1,8,3]]

Generated Nodes :

[[2,4,0][7,5,6][1,8,3]] - $f(n) = 22 + 5 = 27$
[[0,2,4][7,5,6][1,8,3]] - Already visited Node!
[[2,5,4][7,0,6][1,8,3]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - [[3,7,2][5,0,6][4,8,1]]

Generated Nodes :

[[3,0,2][5,7,6][4,8,1]] - $f(n) = 21 + 6 = 27$
[[3,7,2][5,6,0][4,8,1]] - $f(n) = 21 + 7 = 28$
[[3,7,2][0,5,6][4,8,1]] - Already visited Node!
[[3,7,2][5,8,6][4,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - [[2,0,4][5,1,8][7,3,6]]

Generated Nodes :

[[2,4,0][5,1,8][7,3,6]] - $f(n) = 20 + 7 = 27$
[[0,2,4][5,1,8][7,3,6]] - Already visited Node!
[[2,1,4][5,0,8][7,3,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,0,4][1,2,8][7,3,6]]

Generated Nodes :

[[5,4,0][1,2,8][7,3,6]] - $f(n) = 20 + 7 = 27$
[[0,5,4][1,2,8][7,3,6]] - $f(n) = 20 + 7 = 27$
[[5,2,4][1,0,8][7,3,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,1,2][3,8,4][7,0,6]]

Generated Nodes :

[[5,1,2][3,0,4][7,8,6]] - Already visited Node!

$[[5,1,2] [3,8,4] [7,6,0]] - f(n) = 20 + 7 = 27$
 $[[5,1,2] [3,8,4] [0,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 21 – $[[5,8,2] [4,3,6] [0,7,1]]$

Generated Nodes :

$[[5,8,2] [0,3,6] [4,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,8,2] [4,3,6] [7,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 – $[[2,0,4] [5,1,6] [7,8,3]]$

Generated Nodes :

$[[2,4,0] [5,1,6] [7,8,3]] - f(n) = 22 + 5 = 27$
 $[[0,2,4] [5,1,6] [7,8,3]] - \text{Already visited Node!}$
 $[[2,1,4] [5,0,6] [7,8,3]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – $[[5,0,4] [1,2,6] [7,8,3]]$

Generated Nodes :

$[[5,4,0] [1,2,6] [7,8,3]] - f(n) = 22 + 5 = 27$
 $[[0,5,4] [1,2,6] [7,8,3]] - f(n) = 22 + 5 = 27$
 $[[5,2,4] [1,0,6] [7,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 – $[[5,2,4] [1,6,0] [7,8,3]]$

Generated Nodes :

$[[5,2,0] [1,6,4] [7,8,3]] - f(n) = 22 + 5 = 27$
 $[[5,2,4] [1,0,6] [7,8,3]] - \text{Already visited Node!}$
 $[[5,2,4] [1,6,3] [7,8,0]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – $[[5,2,4] [1,8,6] [7,0,3]]$

Generated Nodes :

$[[5,2,4] [1,0,6] [7,8,3]] - \text{Already visited Node!}$
 $[[5,2,4] [1,8,6] [7,3,0]] - \text{Already visited Node!}$
 $[[5,2,4] [1,8,6] [0,7,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – $[[4,7,2] [0,5,6] [1,8,3]]$

Generated Nodes :

$[[0,7,2] [4,5,6] [1,8,3]] - \text{Already visited Node!}$
 $[[4,7,2] [5,0,6] [1,8,3]] - f(n) = 22 + 6 = 28$
 $[[4,7,2] [1,5,6] [0,8,3]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 21 – $[[7,2,1] [3,0,5] [6,8,4]]$

Generated Nodes :

[[7,0,1][3,2,5][6,8,4]] - $f(n) = 21 + 7 = 28$
[[7,2,1][3,5,0][6,8,4]] - Already visited Node!
[[7,2,1][0,3,5][6,8,4]] - $f(n) = 21 + 6 = 27$
[[7,2,1][3,8,5][6,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - [[8,2,6][5,7,0][3,4,1]]

Generated Nodes :

[[8,2,0][5,7,6][3,4,1]] - Already visited Node!
[[8,2,6][5,0,7][3,4,1]] - $f(n) = 20 + 7 = 27$
[[8,2,6][5,7,1][3,4,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[3,7,2][5,4,6][1,0,8]]

Generated Nodes :

[[3,7,2][5,0,6][1,4,8]] - $f(n) = 20 + 7 = 27$
[[3,7,2][5,4,6][1,8,0]] - Already visited Node!
[[3,7,2][5,4,6][0,1,8]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,5,2][0,6,1][4,8,3]]

Generated Nodes :

[[0,5,2][7,6,1][4,8,3]] - $f(n) = 20 + 7 = 27$
[[7,5,2][6,0,1][4,8,3]] - $f(n) = 20 + 7 = 27$
[[7,5,2][4,6,1][0,8,3]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,2][4,6,0][3,1,8]]

Generated Nodes :

[[7,5,0][4,6,2][3,1,8]] - $f(n) = 20 + 7 = 27$
[[7,5,2][4,0,6][3,1,8]] - Already visited Node!
[[7,5,2][4,6,8][3,1,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 22 - [[7,2,6][0,5,1][4,8,3]]

Generated Nodes :

[[0,2,6][7,5,1][4,8,3]] - $f(n) = 22 + 5 = 27$
[[7,2,6][5,0,1][4,8,3]] - $f(n) = 22 + 6 = 28$
[[7,2,6][4,5,1][0,8,3]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,5][4,8,2][1,0,6]]

Generated Nodes :

[[3,7,5][4,0,2][1,8,6]] - Already visited Node!

$[[3,7,5][4,8,2][1,6,0]] - f(n) = 20 + 7 = 27$
 $[[3,7,5][4,8,2][0,1,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,4,5][3,2,6][1,0,8]]$

Generated Nodes :

$[[7,4,5][3,0,6][1,2,8]] - f(n) = 20 + 7 = 27$
 $[[7,4,5][3,2,6][1,8,0]] - \text{Already visited Node!}$
 $[[7,4,5][3,2,6][0,1,8]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,3,2][7,4,6][1,0,8]]$

Generated Nodes :

$[[5,3,2][7,0,6][1,4,8]] - f(n) = 20 + 7 = 27$
 $[[5,3,2][7,4,6][1,8,0]] - \text{Already visited Node!}$
 $[[5,3,2][7,4,6][0,1,8]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[8,2,7][0,4,5][3,1,6]]$

Generated Nodes :

$[[0,2,7][8,4,5][3,1,6]] - f(n) = 20 + 7 = 27$
 $[[8,2,7][4,0,5][3,1,6]] - \text{Already visited Node!}$
 $[[8,2,7][3,4,5][0,1,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 22 - $[[3,7,2][4,5,6][8,0,1]]$

Generated Nodes :

$[[3,7,2][4,0,6][8,5,1]] - f(n) = 22 + 6 = 28$
 $[[3,7,2][4,5,6][8,1,0]] - f(n) = 22 + 5 = 27$
 $[[3,7,2][4,5,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,4,5][3,2,6][1,0,8]]$

Generated Nodes :

$[[7,4,5][3,0,6][1,2,8]] - f(n) = 20 + 7 = 27$
 $[[7,4,5][3,2,6][1,8,0]] - \text{Already visited Node!}$
 $[[7,4,5][3,2,6][0,1,8]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - $[[1,7,2][5,0,6][8,4,3]]$

Generated Nodes :

$[[1,0,2][5,7,6][8,4,3]] - f(n) = 21 + 6 = 27$
 $[[1,7,2][5,6,0][8,4,3]] - f(n) = 21 + 7 = 28$
 $[[1,7,2][0,5,6][8,4,3]] - \text{Already visited Node!}$
 $[[1,7,2][5,4,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 – [[5,2,6][4,8,0][7,3,1]]

Generated Nodes :

[[5,2,0][4,8,6][7,3,1]] – Already visited Node!
[[5,2,6][4,0,8][7,3,1]] – $f(n) = 22 + 5 = 27$
[[5,2,6][4,8,1][7,3,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[7,2,6][4,5,0][3,1,8]]

Generated Nodes :

[[7,2,0][4,5,6][3,1,8]] – Already visited Node!
[[7,2,6][4,0,5][3,1,8]] – $f(n) = 22 + 6 = 28$
[[7,2,6][4,5,8][3,1,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 21 – [[7,2,3][1,0,5][8,6,4]]

Generated Nodes :

[[7,0,3][1,2,5][8,6,4]] – $f(n) = 21 + 7 = 28$
[[7,2,3][1,5,0][8,6,4]] – Already visited Node!
[[7,2,3][0,1,5][8,6,4]] – $f(n) = 21 + 6 = 27$
[[7,2,3][1,6,5][8,0,4]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 – [[5,1,2][4,6,0][7,8,3]]

Generated Nodes :

[[5,1,0][4,6,2][7,8,3]] – $f(n) = 22 + 5 = 27$
[[5,1,2][4,0,6][7,8,3]] – Already visited Node!
[[5,1,2][4,6,3][7,8,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[5,1,2][4,8,6][7,0,3]]

Generated Nodes :

[[5,1,2][4,0,6][7,8,3]] – Already visited Node!
[[5,1,2][4,8,6][7,3,0]] – $f(n) = 22 + 5 = 27$
[[5,1,2][4,8,6][0,7,3]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 19 – [[7,6,0][8,2,5][3,4,1]]

Generated Nodes :

[[7,0,6][8,2,5][3,4,1]] – Already visited Node!
[[7,6,5][8,2,0][3,4,1]] – Already visited Node!

Node Chosen for Level 19 – [[0,7,6][8,2,5][3,4,1]]

Generated Nodes :

[[7,0,6][8,2,5][3,4,1]] - Already visited Node!
[[8,7,6][0,2,5][3,4,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[8,7,0][5,6,2][3,4,1]]

Generated Nodes :

[[8,0,7][5,6,2][3,4,1]] - $f(n) = 19 + 8 = 27$
[[8,7,2][5,6,0][3,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,2][5,6,1][3,4,0]]

Generated Nodes :

[[8,7,2][5,6,0][3,4,1]] - Already visited Node!
[[8,7,2][5,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[3,7,2][5,8,4][1,6,0]]

Generated Nodes :

[[3,7,2][5,8,0][1,6,4]] - $f(n) = 19 + 8 = 27$
[[3,7,2][5,8,4][1,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[3,7,2][5,8,4][0,1,6]]

Generated Nodes :

[[3,7,2][0,8,4][5,1,6]] - $f(n) = 19 + 8 = 27$
[[3,7,2][5,8,4][1,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,7,1][8,2,5][3,6,4]]

Generated Nodes :

[[7,0,1][8,2,5][3,6,4]] - Already visited Node!
[[8,7,1][0,2,5][3,6,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,4,0][1,2,5][8,3,6]]

Generated Nodes :

[[7,0,4][1,2,5][8,3,6]] - Already visited Node!
[[7,4,5][1,2,0][8,3,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,7,4][1,2,5][8,3,6]]

Generated Nodes :

[[7,0,4][1,2,5][8,3,6]] - Already visited Node!
[[1,7,4][0,2,5][8,3,6]] - $f(n) = 19 + 7 = 26$

Node Chosen for Level 20 – [[4,0,2][5,7,6][8,3,1]]

Generated Nodes :

[[4,2,0][5,7,6][8,3,1]] – $f(n) = 20 + 6 = 26$
[[0,4,2][5,7,6][8,3,1]] – Already visited Node!
[[4,7,2][5,0,6][8,3,1]] – Already visited Node!

Node Chosen for Level 20 – [[4,7,2][5,3,6][8,0,1]]

Generated Nodes :

[[4,7,2][5,0,6][8,3,1]] – Already visited Node!
[[4,7,2][5,3,6][8,1,0]] – $f(n) = 20 + 7 = 27$
[[4,7,2][5,3,6][0,8,1]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 19 – [[7,5,0][3,6,2][1,4,8]]

Generated Nodes :

[[7,0,5][3,6,2][1,4,8]] – $f(n) = 19 + 8 = 27$
[[7,5,2][3,6,0][1,4,8]] – Already visited Node!

Node Chosen for Level 20 – [[7,2,6][8,1,0][3,5,4]]

Generated Nodes :

[[7,2,0][8,1,6][3,5,4]] – $f(n) = 20 + 6 = 26$
[[7,2,6][8,0,1][3,5,4]] – Already visited Node!
[[7,2,6][8,1,4][3,5,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[7,2,6][0,8,1][3,5,4]]

Generated Nodes :

[[0,2,6][7,8,1][3,5,4]] – $f(n) = 20 + 7 = 27$
[[7,2,6][8,0,1][3,5,4]] – Already visited Node!
[[7,2,6][3,8,1][0,5,4]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 19 – [[5,8,0][7,6,2][3,4,1]]

Generated Nodes :

[[5,0,8][7,6,2][3,4,1]] – $f(n) = 19 + 8 = 27$
[[5,8,2][7,6,0][3,4,1]] – Already visited Node!

Node Chosen for Level 19 – [[5,8,2][7,6,1][3,4,0]]

Generated Nodes :

[[5,8,2][7,6,0][3,4,1]] – Already visited Node!
[[5,8,2][7,6,1][3,0,4]] – Already visited Node!

Node Chosen for Level 19 - $[[7,5,0][3,8,2][4,1,6]]$

Generated Nodes :

$[[7,0,5][3,8,2][4,1,6]] - f(n) = 19 + 8 = 27$
 $[[7,5,2][3,8,0][4,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,5,2][3,0,8][4,1,6]]$

Generated Nodes :

$[[7,0,2][3,5,8][4,1,6]] - f(n) = 19 + 7 = 26$
 $[[7,5,2][3,8,0][4,1,6]] - \text{Already visited Node!}$
 $[[7,5,2][0,3,8][4,1,6]] - f(n) = 19 + 8 = 27$
 $[[7,5,2][3,1,8][4,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[5,4,0][7,6,2][8,3,1]]$

Generated Nodes :

$[[5,0,4][7,6,2][8,3,1]] - f(n) = 19 + 8 = 27$
 $[[5,4,2][7,6,0][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,4,2][7,6,1][8,3,0]]$

Generated Nodes :

$[[5,4,2][7,6,0][8,3,1]] - \text{Already visited Node!}$
 $[[5,4,2][7,6,1][8,0,3]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[2,4,0][5,7,8][3,1,6]]$

Generated Nodes :

$[[2,0,4][5,7,8][3,1,6]] - \text{Already visited Node!}$
 $[[2,4,8][5,7,0][3,1,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[2,7,4][5,0,8][3,1,6]]$

Generated Nodes :

$[[2,0,4][5,7,8][3,1,6]] - \text{Already visited Node!}$
 $[[2,7,4][5,8,0][3,1,6]] - f(n) = 19 + 8 = 27$
 $[[2,7,4][0,5,8][3,1,6]] - f(n) = 19 + 7 = 26$
 $[[2,7,4][5,1,8][3,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[5,3,2][7,8,4][1,6,0]]$

Generated Nodes :

$[[5,3,2][7,8,0][1,6,4]] - f(n) = 19 + 8 = 27$

[[5,3,2][7,8,4][1,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[5,3,2][7,8,4][0,1,6]]

Generated Nodes :

[[5,3,2][0,8,4][7,1,6]] - $f(n) = 19 + 7 = 26$

[[5,3,2][7,8,4][1,0,6]] - Already visited Node!

Node Chosen for Level 20 - [[8,0,2][3,7,6][4,5,1]]

Generated Nodes :

[[8,2,0][3,7,6][4,5,1]] - $f(n) = 20 + 6 = 26$

[[0,8,2][3,7,6][4,5,1]] - $f(n) = 20 + 7 = 27$

[[8,7,2][3,0,6][4,5,1]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,2][0,3,6][4,5,1]]

Generated Nodes :

[[0,7,2][8,3,6][4,5,1]] - $f(n) = 20 + 7 = 27$

[[8,7,2][3,0,6][4,5,1]] - Already visited Node!

[[8,7,2][4,3,6][0,5,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,1][8,4,0][3,5,6]]

Generated Nodes :

[[7,2,0][8,4,1][3,5,6]] - $f(n) = 20 + 7 = 27$

[[7,2,1][8,0,4][3,5,6]] - Already visited Node!

[[7,2,1][8,4,6][3,5,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,1][0,8,4][3,5,6]]

Generated Nodes :

[[0,2,1][7,8,4][3,5,6]] - $f(n) = 20 + 7 = 27$

[[7,2,1][8,0,4][3,5,6]] - Already visited Node!

[[7,2,1][3,8,4][0,5,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 19 - [[4,8,5][3,7,2][0,1,6]]

Generated Nodes :

[[4,8,5][0,7,2][3,1,6]] - Already visited Node!

[[4,8,5][3,7,2][1,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,7,5][8,1,2][4,3,6]]

Generated Nodes :

$[[7,0,5][8,1,2][4,3,6]] - f(n) = 19 + 8 = 27$
 $[[8,7,5][0,1,2][4,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,5][1,0,2][4,3,6]]$

Generated Nodes :

$[[8,0,5][1,7,2][4,3,6]] - f(n) = 19 + 8 = 27$
 $[[8,7,5][1,2,0][4,3,6]] - f(n) = 19 + 8 = 27$
 $[[8,7,5][0,1,2][4,3,6]] - \text{Already visited Node!}$
 $[[8,7,5][1,3,2][4,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[7,4,0][8,6,5][3,2,1]]$

Generated Nodes :

$[[7,0,4][8,6,5][3,2,1]] - f(n) = 19 + 8 = 27$
 $[[7,4,5][8,6,0][3,2,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,4,5][8,6,1][3,2,0]]$

Generated Nodes :

$[[7,4,5][8,6,0][3,2,1]] - \text{Already visited Node!}$
 $[[7,4,5][8,6,1][3,0,2]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,8,0][7,6,2][3,4,1]]$

Generated Nodes :

$[[5,0,8][7,6,2][3,4,1]] - f(n) = 19 + 8 = 27$
 $[[5,8,2][7,6,0][3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,8,2][7,6,1][3,4,0]]$

Generated Nodes :

$[[5,8,2][7,6,0][3,4,1]] - \text{Already visited Node!}$
 $[[5,8,2][7,6,1][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,4,0][7,2,1][8,3,6]]$

Generated Nodes :

$[[5,0,4][7,2,1][8,3,6]] - \text{Already visited Node!}$
 $[[5,4,1][7,2,0][8,3,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[0,5,4][7,2,1][8,3,6]]$

Generated Nodes :

$[[5,0,4][7,2,1][8,3,6]] - \text{Already visited Node!}$

$[[7,5,4][0,2,1][8,3,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[7,5,0][1,6,2][8,4,3]]$

Generated Nodes :

$[[7,0,5][1,6,2][8,4,3]] - f(n) = 19 + 8 = 27$
 $[[7,5,2][1,6,0][8,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,5,2][1,6,3][8,4,0]]$

Generated Nodes :

$[[7,5,2][1,6,0][8,4,3]] - \text{Already visited Node!}$
 $[[7,5,2][1,6,3][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[1,0,2][8,7,4][3,5,6]]$

Generated Nodes :

$[[1,2,0][8,7,4][3,5,6]] - f(n) = 20 + 6 = 26$
 $[[0,1,2][8,7,4][3,5,6]] - f(n) = 20 + 8 = 28$
 $[[1,7,2][8,0,4][3,5,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[1,7,2][8,4,0][3,5,6]]$

Generated Nodes :

$[[1,7,0][8,4,2][3,5,6]] - f(n) = 20 + 7 = 27$
 $[[1,7,2][8,0,4][3,5,6]] - \text{Already visited Node!}$
 $[[1,7,2][8,4,6][3,5,0]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[1,7,2][0,8,4][3,5,6]]$

Generated Nodes :

$[[0,7,2][1,8,4][3,5,6]] - f(n) = 20 + 8 = 28$
 $[[1,7,2][8,0,4][3,5,6]] - \text{Already visited Node!}$
 $[[1,7,2][3,8,4][0,5,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - $[[2,4,0][5,7,6][3,8,1]]$

Generated Nodes :

$[[2,0,4][5,7,6][3,8,1]] - \text{Already visited Node!}$
 $[[2,4,6][5,7,0][3,8,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[2,7,4][5,0,6][3,8,1]]$

Generated Nodes :

$[[2,0,4][5,7,6][3,8,1]] - \text{Already visited Node!}$

$[[2,7,4][5,6,0][3,8,1]] - f(n) = 21 + 7 = 28$
 $[[2,7,4][0,5,6][3,8,1]] - f(n) = 21 + 5 = 26$
 $[[2,7,4][5,8,6][3,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,2,4][3,0,6][8,7,1]]$

Generated Nodes :

$[[5,0,4][3,2,6][8,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,2,4][3,6,0][8,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,2,4][0,3,6][8,7,1]] - f(n) = 21 + 6 = 27$
 $[[5,2,4][3,7,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,4][3,7,6][8,1,0]]$

Generated Nodes :

$[[5,2,4][3,7,0][8,1,6]] - f(n) = 21 + 7 = 28$
 $[[5,2,4][3,7,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[2,4,0][5,8,6][7,3,1]]$

Generated Nodes :

$[[2,0,4][5,8,6][7,3,1]] - \text{Already visited Node!}$
 $[[2,4,6][5,8,0][7,3,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[2,8,4][5,0,6][7,3,1]]$

Generated Nodes :

$[[2,0,4][5,8,6][7,3,1]] - \text{Already visited Node!}$
 $[[2,8,4][5,6,0][7,3,1]] - f(n) = 21 + 7 = 28$
 $[[2,8,4][0,5,6][7,3,1]] - f(n) = 21 + 5 = 26$
 $[[2,8,4][5,3,6][7,0,1]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[5,4,0][8,2,6][7,3,1]]$

Generated Nodes :

$[[5,0,4][8,2,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,4,6][8,2,0][7,3,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[0,5,4][8,2,6][7,3,1]]$

Generated Nodes :

$[[5,0,4][8,2,6][7,3,1]] - \text{Already visited Node!}$
 $[[8,5,4][0,2,6][7,3,1]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[5,2,0][8,6,4][7,3,1]]$

Generated Nodes :

[[5,0,2][8,6,4][7,3,1]] - $f(n) = 21 + 7 = 28$
[[5,2,4][8,6,0][7,3,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][8,6,1][7,3,0]]

Generated Nodes :

[[5,2,4][8,6,0][7,3,1]] - Already visited Node!
[[5,2,4][8,6,1][7,0,3]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 - [[7,2,8][0,3,5][1,6,4]]

Generated Nodes :

[[0,2,8][7,3,5][1,6,4]] - $f(n) = 20 + 7 = 27$
[[7,2,8][3,0,5][1,6,4]] - Already visited Node!
[[7,2,8][1,3,5][0,6,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,2,8][3,6,5][1,0,4]]

Generated Nodes :

[[7,2,8][3,0,5][1,6,4]] - Already visited Node!
[[7,2,8][3,6,5][1,4,0]] - $f(n) = 20 + 7 = 27$
[[7,2,8][3,6,5][0,1,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - [[5,2,4][7,0,6][1,3,8]]

Generated Nodes :

[[5,0,4][7,2,6][1,3,8]] - $f(n) = 21 + 7 = 28$
[[5,2,4][7,6,0][1,3,8]] - $f(n) = 21 + 7 = 28$
[[5,2,4][0,7,6][1,3,8]] - $f(n) = 21 + 6 = 27$
[[5,2,4][7,3,6][1,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][7,3,6][0,1,8]]

Generated Nodes :

[[5,2,4][0,3,6][7,1,8]] - $f(n) = 21 + 5 = 26$
[[5,2,4][7,3,6][1,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,0][4,6,2][1,8,3]]

Generated Nodes :

[[7,0,5][4,6,2][1,8,3]] - $f(n) = 21 + 6 = 27$
[[7,5,2][4,6,0][1,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][4,6,3][1,8,0]]

Generated Nodes :

[[7,5,2][4,6,0][1,8,3]] - Already visited Node!
[[7,5,2][4,6,3][1,0,8]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,5,2][4,8,6][1,3,0]]

Generated Nodes :

[[7,5,2][4,8,0][1,3,6]] - $f(n) = 21 + 7 = 28$
[[7,5,2][4,8,6][1,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][4,8,6][0,1,3]]

Generated Nodes :

[[7,5,2][0,8,6][4,1,3]] - $f(n) = 21 + 7 = 28$
[[7,5,2][4,8,6][1,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,6][3,5,8][1,4,0]]

Generated Nodes :

[[7,2,6][3,5,0][1,4,8]] - Already visited Node!
[[7,2,6][3,5,8][1,0,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[5,8,0][4,6,2][7,3,1]]

Generated Nodes :

[[5,0,8][4,6,2][7,3,1]] - $f(n) = 21 + 6 = 27$
[[5,8,2][4,6,0][7,3,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][4,6,1][7,3,0]]

Generated Nodes :

[[5,8,2][4,6,0][7,3,1]] - Already visited Node!
[[5,8,2][4,6,1][7,0,3]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,6][1,5,3][8,4,0]]

Generated Nodes :

[[7,2,6][1,5,0][8,4,3]] - Already visited Node!
[[7,2,6][1,5,3][8,0,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 23 - [[7,2,6][4,5,3][1,8,0]]

Generated Nodes :

[[7,2,6][4,5,0][1,8,3]] - Already visited Node!
[[7,2,6][4,5,3][1,0,8]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 20 - [[3,7,4][0,2,5][1,8,6]]

Generated Nodes :

[[0,7,4][3,2,5][1,8,6]] - Already visited Node!
[[3,7,4][2,0,5][1,8,6]] - $f(n) = 20 + 7 = 27$
[[3,7,4][1,2,5][0,8,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,2,4][3,8,0][1,6,5]]

Generated Nodes :

[[7,2,0][3,8,4][1,6,5]] - $f(n) = 20 + 7 = 27$
[[7,2,4][3,0,8][1,6,5]] - $f(n) = 20 + 7 = 27$
[[7,2,4][3,8,5][1,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,4][0,8,5][3,1,6]]

Generated Nodes :

[[0,2,4][7,8,5][3,1,6]] - $f(n) = 20 + 7 = 27$
[[7,2,4][8,0,5][3,1,6]] - Already visited Node!
[[7,2,4][3,8,5][0,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,2,4][7,3,6][1,5,8]]

Generated Nodes :

[[2,0,4][7,3,6][1,5,8]] - $f(n) = 21 + 7 = 28$
[[7,2,4][0,3,6][1,5,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,4][1,3,6][0,5,8]]

Generated Nodes :

[[7,2,4][0,3,6][1,5,8]] - Already visited Node!
[[7,2,4][1,3,6][5,0,8]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,6][4,3,5][8,1,0]]

Generated Nodes :

[[7,2,6][4,3,0][8,1,5]] - $f(n) = 21 + 6 = 27$
[[7,2,6][4,3,5][8,0,1]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,2][1,5,0][8,6,4]]

Generated Nodes :

$[[3,7,0][1,5,2][8,6,4]] - f(n) = 20 + 7 = 27$
 $[[3,7,2][1,0,5][8,6,4]] - f(n) = 20 + 8 = 28$
 $[[3,7,2][1,5,4][8,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[0,8,2][5,7,1][3,6,4]]$

Generated Nodes :

$[[8,0,2][5,7,1][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,2][0,7,1][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,0][5,1,2][3,6,4]]$

Generated Nodes :

$[[8,0,7][5,1,2][3,6,4]] - f(n) = 19 + 8 = 27$
 $[[8,7,2][5,1,0][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,2][5,1,4][3,6,0]]$

Generated Nodes :

$[[8,7,2][5,1,0][3,6,4]] - \text{Already visited Node!}$
 $[[8,7,2][5,1,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,2][5,6,1][3,4,0]]$

Generated Nodes :

$[[8,7,2][5,6,0][3,4,1]] - \text{Already visited Node!}$
 $[[8,7,2][5,6,1][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[8,7,2][5,6,1][0,3,4]]$

Generated Nodes :

$[[8,7,2][0,6,1][5,3,4]] - f(n) = 19 + 8 = 27$
 $[[8,7,2][5,6,1][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,5][4,3,2][8,1,6]]$

Generated Nodes :

$[[7,5,0][4,3,2][8,1,6]] - \text{Already visited Node!}$
 $[[0,7,5][4,3,2][8,1,6]] - f(n) = 20 + 7 = 27$
 $[[7,3,5][4,0,2][8,1,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,5,2][4,1,3][8,0,6]]$

Generated Nodes :

$[[7,5,2][4,0,3][8,1,6]] - \text{Already visited Node!}$

$[[7,5,2][4,1,3][8,6,0]] - f(n) = 20 + 7 = 27$
 $[[7,5,2][4,1,3][0,8,6]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 21 - $[[0,2,4][7,1,6][8,5,3]]$

Generated Nodes :

$[[2,0,4][7,1,6][8,5,3]] - f(n) = 21 + 7 = 28$
 $[[7,2,4][0,1,6][8,5,3]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,2,4][8,1,6][0,5,3]]$

Generated Nodes :

$[[7,2,4][0,1,6][8,5,3]] - \text{Already visited Node!}$
 $[[7,2,4][8,1,6][5,0,3]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 20 - $[[5,2,6][0,7,8][3,4,1]]$

Generated Nodes :

$[[0,2,6][5,7,8][3,4,1]] - f(n) = 20 + 7 = 27$
 $[[5,2,6][7,0,8][3,4,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,7,8][0,4,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,6][7,4,8][3,0,1]]$

Generated Nodes :

$[[5,2,6][7,0,8][3,4,1]] - \text{Already visited Node!}$
 $[[5,2,6][7,4,8][3,1,0]] - f(n) = 20 + 7 = 27$
 $[[5,2,6][7,4,8][0,3,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,6][7,8,1][3,0,4]]$

Generated Nodes :

$[[5,2,6][7,0,1][3,8,4]] - f(n) = 20 + 6 = 26$
 $[[5,2,6][7,8,1][3,4,0]] - \text{Already visited Node!}$
 $[[5,2,6][7,8,1][0,3,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,0,5][3,6,2][4,8,1]]$

Generated Nodes :

$[[7,5,0][3,6,2][4,8,1]] - \text{Already visited Node!}$
 $[[0,7,5][3,6,2][4,8,1]] - f(n) = 20 + 7 = 27$
 $[[7,6,5][3,0,2][4,8,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,6][0,7,4][8,3,1]]$

Generated Nodes :

[[0,2,6][5,7,4][8,3,1]] - $f(n) = 20 + 7 = 27$
[[5,2,6][7,0,4][8,3,1]] - Already visited Node!
[[5,2,6][8,7,4][0,3,1]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,2,6][7,3,4][8,0,1]]

Generated Nodes :

[[5,2,6][7,0,4][8,3,1]] - Already visited Node!
[[5,2,6][7,3,4][8,1,0]] - $f(n) = 20 + 7 = 27$
[[5,2,6][7,3,4][0,8,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,2,6][7,4,1][8,0,3]]

Generated Nodes :

[[5,2,6][7,0,1][8,4,3]] - $f(n) = 20 + 7 = 27$
[[5,2,6][7,4,1][8,3,0]] - Already visited Node!
[[5,2,6][7,4,1][0,8,3]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,2,6][3,8,5][4,0,1]]

Generated Nodes :

[[7,2,6][3,0,5][4,8,1]] - Already visited Node!
[[7,2,6][3,8,5][4,1,0]] - $f(n) = 20 + 7 = 27$
[[7,2,6][3,8,5][0,4,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,6][8,4,0][3,1,5]]

Generated Nodes :

[[7,2,0][8,4,6][3,1,5]] - $f(n) = 20 + 6 = 26$
[[7,2,6][8,0,4][3,1,5]] - $f(n) = 20 + 7 = 27$
[[7,2,6][8,4,5][3,1,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,6][0,4,5][8,3,1]]

Generated Nodes :

[[0,2,6][7,4,5][8,3,1]] - $f(n) = 20 + 7 = 27$
[[7,2,6][4,0,5][8,3,1]] - Already visited Node!
[[7,2,6][8,4,5][0,3,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,4][2,0,8][3,1,6]]

Generated Nodes :

[[7,0,4][2,5,8][3,1,6]] - $f(n) = 19 + 7 = 26$
[[7,5,4][2,8,0][3,1,6]] - $f(n) = 19 + 8 = 27$
[[7,5,4][0,2,8][3,1,6]] - Already visited Node!

$[[7,5,4][2,1,8][3,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – $[[7,5,4][3,2,8][0,1,6]]$

Generated Nodes :

$[[7,5,4][0,2,8][3,1,6]] - \text{Already visited Node!}$

$[[7,5,4][3,2,8][1,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 20 – $[[8,7,2][0,4,6][5,3,1]]$

Generated Nodes :

$[[0,7,2][8,4,6][5,3,1]] - f(n) = 20 + 7 = 27$

$[[8,7,2][4,0,6][5,3,1]] - f(n) = 20 + 6 = 26$

$[[8,7,2][5,4,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 20 – $[[3,0,7][5,4,2][1,8,6]]$

Generated Nodes :

$[[3,7,0][5,4,2][1,8,6]] - \text{Already visited Node!}$

$[[0,3,7][5,4,2][1,8,6]] - f(n) = 20 + 7 = 27$

$[[3,4,7][5,0,2][1,8,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – $[[7,2,1][3,8,5][6,0,4]]$

Generated Nodes :

$[[7,2,1][3,0,5][6,8,4]] - \text{Already visited Node!}$

$[[7,2,1][3,8,5][6,4,0]] - f(n) = 20 + 7 = 27$

$[[7,2,1][3,8,5][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 – $[[7,2,1][8,6,0][3,4,5]]$

Generated Nodes :

$[[7,2,0][8,6,1][3,4,5]] - f(n) = 20 + 7 = 27$

$[[7,2,1][8,0,6][3,4,5]] - f(n) = 20 + 6 = 26$

$[[7,2,1][8,6,5][3,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 – $[[7,2,1][0,6,5][8,3,4]]$

Generated Nodes :

$[[0,2,1][7,6,5][8,3,4]] - f(n) = 20 + 7 = 27$

$[[7,2,1][6,0,5][8,3,4]] - f(n) = 20 + 7 = 27$

$[[7,2,1][8,6,5][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 – $[[7,2,4][8,1,5][3,0,6]]$

Generated Nodes :

[[7,2,4][8,0,5][3,1,6]] - Already visited Node!
[[7,2,4][8,1,5][3,6,0]] - $f(n) = 20 + 7 = 27$
[[7,2,4][8,1,5][0,3,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,2,4][1,3,0][8,6,5]]

Generated Nodes :

[[7,2,0][1,3,4][8,6,5]] - $f(n) = 20 + 7 = 27$
[[7,2,4][1,0,3][8,6,5]] - $f(n) = 20 + 7 = 27$
[[7,2,4][1,3,5][8,6,0]] - Already visited Node!

Node Chosen for Level 21 - [[4,7,2][8,5,6][3,1,0]]

Generated Nodes :

[[4,7,2][8,5,0][3,1,6]] - $f(n) = 21 + 7 = 28$
[[4,7,2][8,5,6][3,0,1]] - Already visited Node!

Node Chosen for Level 20 - [[1,0,7][5,4,2][8,3,6]]

Generated Nodes :

[[1,7,0][5,4,2][8,3,6]] - Already visited Node!
[[0,1,7][5,4,2][8,3,6]] - $f(n) = 20 + 8 = 28$
[[1,4,7][5,0,2][8,3,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[1,7,2][5,3,0][8,6,4]]

Generated Nodes :

[[1,7,0][5,3,2][8,6,4]] - $f(n) = 20 + 7 = 27$
[[1,7,2][5,0,3][8,6,4]] - $f(n) = 20 + 7 = 27$
[[1,7,2][5,3,4][8,6,0]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][7,0,6][4,8,1]]

Generated Nodes :

[[5,0,2][7,3,6][4,8,1]] - Already visited Node!
[[5,3,2][7,6,0][4,8,1]] - $f(n) = 21 + 7 = 28$
[[5,3,2][0,7,6][4,8,1]] - $f(n) = 21 + 6 = 27$
[[5,3,2][7,8,6][4,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,5,4][2,0,6][3,8,1]]

Generated Nodes :

[[7,0,4][2,5,6][3,8,1]] - $f(n) = 21 + 5 = 26$
[[7,5,4][2,6,0][3,8,1]] - $f(n) = 21 + 7 = 28$
[[7,5,4][0,2,6][3,8,1]] - Already visited Node!

$[[7,5,4][2,8,6][3,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[7,5,4][3,2,6][0,8,1]]$

Generated Nodes :

$[[7,5,4][0,2,6][3,8,1]] - \text{Already visited Node!}$

$[[7,5,4][3,2,6][8,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - $[[7,6,5][4,2,0][8,3,1]]$

Generated Nodes :

$[[7,6,0][4,2,5][8,3,1]] - f(n) = 20 + 7 = 27$

$[[7,6,5][4,0,2][8,3,1]] - \text{Already visited Node!}$

$[[7,6,5][4,2,1][8,3,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,6,5][4,3,2][8,0,1]]$

Generated Nodes :

$[[7,6,5][4,0,2][8,3,1]] - \text{Already visited Node!}$

$[[7,6,5][4,3,2][8,1,0]] - f(n) = 20 + 7 = 27$

$[[7,6,5][4,3,2][0,8,1]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[7,5,2][4,1,0][8,6,3]]$

Generated Nodes :

$[[7,5,0][4,1,2][8,6,3]] - f(n) = 20 + 7 = 27$

$[[7,5,2][4,0,1][8,6,3]] - \text{Already visited Node!}$

$[[7,5,2][4,1,3][8,6,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,0,2][7,3,6][1,4,8]]$

Generated Nodes :

$[[5,2,0][7,3,6][1,4,8]] - f(n) = 20 + 6 = 26$

$[[0,5,2][7,3,6][1,4,8]] - \text{Already visited Node!}$

$[[5,3,2][7,0,6][1,4,8]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,5,2][1,3,6][4,0,8]]$

Generated Nodes :

$[[7,5,2][1,0,6][4,3,8]] - f(n) = 20 + 7 = 27$

$[[7,5,2][1,3,6][4,8,0]] - f(n) = 20 + 6 = 26$

$[[7,5,2][1,3,6][0,4,8]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,0,2][7,4,6][3,1,8]]$

Generated Nodes :

[[5,2,0][7,4,6][3,1,8]] - $f(n) = 20 + 6 = 26$
[[0,5,2][7,4,6][3,1,8]] - Already visited Node!
[[5,4,2][7,0,6][3,1,8]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 19 - [[8,7,5][6,0,2][3,4,1]]

Generated Nodes :

[[8,0,5][6,7,2][3,4,1]] - $f(n) = 19 + 8 = 27$
[[8,7,5][6,2,0][3,4,1]] - $f(n) = 19 + 8 = 27$
[[8,7,5][0,6,2][3,4,1]] - Already visited Node!
[[8,7,5][6,4,2][3,0,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[8,7,5][3,6,2][0,4,1]]

Generated Nodes :

[[8,7,5][0,6,2][3,4,1]] - Already visited Node!
[[8,7,5][3,6,2][4,0,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,6,0][8,2,5][3,4,1]]

Generated Nodes :

[[7,0,6][8,2,5][3,4,1]] - Already visited Node!
[[7,6,5][8,2,0][3,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,6,5][8,2,1][3,4,0]]

Generated Nodes :

[[7,6,5][8,2,0][3,4,1]] - Already visited Node!
[[7,6,5][8,2,1][3,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,6,5][7,8,2][3,4,1]]

Generated Nodes :

[[6,0,5][7,8,2][3,4,1]] - $f(n) = 19 + 8 = 27$
[[7,6,5][0,8,2][3,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,6,5][3,8,2][0,4,1]]

Generated Nodes :

[[7,6,5][0,8,2][3,4,1]] - Already visited Node!
[[7,6,5][3,8,2][4,0,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,6,5][8,4,2][3,1,0]]

Generated Nodes :

[[7,6,5][8,4,0][3,1,2]] - $f(n) = 19 + 8 = 27$
[[7,6,5][8,4,2][3,0,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,6,5][8,4,2][0,3,1]]

Generated Nodes :

[[7,6,5][0,4,2][8,3,1]] - $f(n) = 19 + 8 = 27$
[[7,6,5][8,4,2][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[0,2,6][7,5,1][8,3,4]]

Generated Nodes :

[[2,0,6][7,5,1][8,3,4]] - $f(n) = 21 + 7 = 28$
[[7,2,6][0,5,1][8,3,4]] - Already visited Node!

Node Chosen for Level 19 - [[8,5,0][3,7,2][1,4,6]]

Generated Nodes :

[[8,0,5][3,7,2][1,4,6]] - Already visited Node!
[[8,5,2][3,7,0][1,4,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,8,5][3,7,2][1,4,6]]

Generated Nodes :

[[8,0,5][3,7,2][1,4,6]] - Already visited Node!
[[3,8,5][0,7,2][1,4,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[8,7,0][3,2,5][1,4,6]]

Generated Nodes :

[[8,0,7][3,2,5][1,4,6]] - $f(n) = 19 + 8 = 27$
[[8,7,5][3,2,0][1,4,6]] - Already visited Node!

Node Chosen for Level 19 - [[0,7,5][8,3,2][1,4,6]]

Generated Nodes :

[[7,0,5][8,3,2][1,4,6]] - $f(n) = 19 + 8 = 27$
[[8,7,5][0,3,2][1,4,6]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,5][1,3,2][0,4,6]]

Generated Nodes :

[[8,7,5][0,3,2][1,4,6]] - Already visited Node!
[[8,7,5][1,3,2][4,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[8,7,0][3,4,5][1,6,2]]

Generated Nodes :

[[8,0,7][3,4,5][1,6,2]] – $f(n) = 19 + 8 = 27$
[[8,7,5][3,4,0][1,6,2]] – Already visited Node!

Node Chosen for Level 19 – [[8,7,5][3,0,4][1,6,2]]

Generated Nodes :

[[8,0,5][3,7,4][1,6,2]] – $f(n) = 19 + 8 = 27$
[[8,7,5][3,4,0][1,6,2]] – Already visited Node!
[[8,7,5][0,3,4][1,6,2]] – $f(n) = 19 + 8 = 27$
[[8,7,5][3,6,4][1,0,2]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[8,7,4][2,0,5][3,1,6]]

Generated Nodes :

[[8,0,4][2,7,5][3,1,6]] – $f(n) = 19 + 8 = 27$
[[8,7,4][2,5,0][3,1,6]] – $f(n) = 19 + 7 = 26$
[[8,7,4][0,2,5][3,1,6]] – Already visited Node!
[[8,7,4][2,1,5][3,0,6]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[8,7,4][3,2,5][0,1,6]]

Generated Nodes :

[[8,7,4][0,2,5][3,1,6]] – Already visited Node!
[[8,7,4][3,2,5][1,0,6]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[4,5,2][7,0,8][3,1,6]]

Generated Nodes :

[[4,0,2][7,5,8][3,1,6]] – $f(n) = 19 + 7 = 26$
[[4,5,2][7,8,0][3,1,6]] – Already visited Node!
[[4,5,2][0,7,8][3,1,6]] – $f(n) = 19 + 8 = 27$
[[4,5,2][7,1,8][3,0,6]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[4,8,0][7,2,5][3,1,6]]

Generated Nodes :

[[4,0,8][7,2,5][3,1,6]] – $f(n) = 19 + 8 = 27$
[[4,8,5][7,2,0][3,1,6]] – Already visited Node!

Node Chosen for Level 19 – [[4,8,5][3,7,2][0,1,6]]

Generated Nodes :

[[4,8,5][0,7,2][3,1,6]] - Already visited Node!
[[4,8,5][3,7,2][1,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[4,8,5][7,1,2][3,6,0]]

Generated Nodes :

[[4,8,5][7,1,0][3,6,2]] - $f(n) = 19 + 8 = 27$
[[4,8,5][7,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[4,8,5][7,1,2][0,3,6]]

Generated Nodes :

[[4,8,5][0,1,2][7,3,6]] - $f(n) = 19 + 7 = 26$
[[4,8,5][7,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,0][3,8,5][1,6,2]]

Generated Nodes :

[[7,0,4][3,8,5][1,6,2]] - $f(n) = 19 + 8 = 27$
[[7,4,5][3,8,0][1,6,2]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][3,0,8][1,6,2]]

Generated Nodes :

[[7,0,5][3,4,8][1,6,2]] - $f(n) = 19 + 8 = 27$
[[7,4,5][3,8,0][1,6,2]] - Already visited Node!
[[7,4,5][0,3,8][1,6,2]] - $f(n) = 19 + 8 = 27$
[[7,4,5][3,6,8][1,0,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,7,4][8,1,5][3,6,2]]

Generated Nodes :

[[7,0,4][8,1,5][3,6,2]] - Already visited Node!
[[8,7,4][0,1,5][3,6,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,1,4][8,0,5][3,6,2]]

Generated Nodes :

[[7,0,4][8,1,5][3,6,2]] - Already visited Node!
[[7,1,4][8,5,0][3,6,2]] - $f(n) = 19 + 7 = 26$
[[7,1,4][0,8,5][3,6,2]] - $f(n) = 19 + 8 = 27$
[[7,1,4][8,6,5][3,0,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,5,0][8,4,1][3,6,2]]

Generated Nodes :

[[7,0,5][8,4,1][3,6,2]] - Already visited Node!
[[7,5,1][8,4,0][3,6,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,7,5][8,4,1][3,6,2]]

Generated Nodes :

[[7,0,5][8,4,1][3,6,2]] - Already visited Node!
[[8,7,5][0,4,1][3,6,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,4,5][7,8,1][3,6,2]]

Generated Nodes :

[[4,0,5][7,8,1][3,6,2]] - $f(n) = 19 + 8 = 27$
[[7,4,5][0,8,1][3,6,2]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][3,8,1][0,6,2]]

Generated Nodes :

[[7,4,5][0,8,1][3,6,2]] - Already visited Node!
[[7,4,5][3,8,1][6,0,2]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,4,5][8,6,1][3,2,0]]

Generated Nodes :

[[7,4,5][8,6,0][3,2,1]] - Already visited Node!
[[7,4,5][8,6,1][3,0,2]] - Already visited Node!

Node Chosen for Level 19 - [[7,4,5][8,6,1][0,3,2]]

Generated Nodes :

[[7,4,5][0,6,1][8,3,2]] - $f(n) = 19 + 8 = 27$
[[7,4,5][8,6,1][3,0,2]] - Already visited Node!

Node Chosen for Level 19 - [[4,5,0][7,1,2][8,3,6]]

Generated Nodes :

[[4,0,5][7,1,2][8,3,6]] - Already visited Node!
[[4,5,2][7,1,0][8,3,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[4,1,5][7,0,2][8,3,6]]

Generated Nodes :

[[4,0,5][7,1,2][8,3,6]] - Already visited Node!

$[[4,1,5][7,2,0][8,3,6]] - f(n) = 19 + 8 = 27$
 $[[4,1,5][0,7,2][8,3,6]] - f(n) = 19 + 8 = 27$
 $[[4,1,5][7,3,2][8,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[7,4,0][1,2,5][8,3,6]]$

Generated Nodes :

$[[7,0,4][1,2,5][8,3,6]] - \text{Already visited Node!}$
 $[[7,4,5][1,2,0][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,4,5][1,3,2][8,6,0]]$

Generated Nodes :

$[[7,4,5][1,3,0][8,6,2]] - f(n) = 19 + 8 = 27$
 $[[7,4,5][1,3,2][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[7,5,8][3,4,2][0,1,6]]$

Generated Nodes :

$[[7,5,8][0,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][3,4,2][1,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[0,4,8][5,7,2][3,1,6]]$

Generated Nodes :

$[[4,0,8][5,7,2][3,1,6]] - f(n) = 19 + 8 = 27$
 $[[5,4,8][0,7,2][3,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,4,8][3,7,2][0,1,6]]$

Generated Nodes :

$[[5,4,8][0,7,2][3,1,6]] - \text{Already visited Node!}$
 $[[5,4,8][3,7,2][1,0,6]] - f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[5,4,8][7,1,2][3,6,0]]$

Generated Nodes :

$[[5,4,8][7,1,0][3,6,2]] - f(n) = 19 + 8 = 27$
 $[[5,4,8][7,1,2][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[5,4,8][7,1,2][0,3,6]]$

Generated Nodes :

$[[5,4,8][0,1,2][7,3,6]] - f(n) = 19 + 7 = 26$
 $[[5,4,8][7,1,2][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 19 – [[8,7,0][5,4,2][3,1,6]]

Generated Nodes :

[[8,0,7][5,4,2][3,1,6]] – $f(n) = 19 + 8 = 27$
[[8,7,2][5,4,0][3,1,6]] – Already visited Node!

Node Chosen for Level 19 – [[8,7,2][5,1,4][3,6,0]]

Generated Nodes :

[[8,7,2][5,1,0][3,6,4]] – Already visited Node!
[[8,7,2][5,1,4][3,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[8,7,2][5,1,4][0,3,6]]

Generated Nodes :

[[8,7,2][0,1,4][5,3,6]] – $f(n) = 19 + 8 = 27$
[[8,7,2][5,1,4][3,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[0,5,2][3,8,4][1,7,6]]

Generated Nodes :

[[5,0,2][3,8,4][1,7,6]] – Already visited Node!
[[3,5,2][0,8,4][1,7,6]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[5,8,0][3,4,2][1,7,6]]

Generated Nodes :

[[5,0,8][3,4,2][1,7,6]] – $f(n) = 19 + 8 = 27$
[[5,8,2][3,4,0][1,7,6]] – Already visited Node!

Node Chosen for Level 19 – [[0,8,2][5,3,4][1,7,6]]

Generated Nodes :

[[8,0,2][5,3,4][1,7,6]] – $f(n) = 19 + 8 = 27$
[[5,8,2][0,3,4][1,7,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,8,2][1,3,4][0,7,6]]

Generated Nodes :

[[5,8,2][0,3,4][1,7,6]] – Already visited Node!
[[5,8,2][1,3,4][7,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,8,0][3,7,2][1,6,4]]

Generated Nodes :

[[5,0,8][3,7,2][1,6,4]] - $f(n) = 19 + 8 = 27$
[[5,8,2][3,7,0][1,6,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][3,0,7][1,6,4]]

Generated Nodes :

[[5,0,2][3,8,7][1,6,4]] - $f(n) = 19 + 8 = 27$
[[5,8,2][3,7,0][1,6,4]] - Already visited Node!
[[5,8,2][0,3,7][1,6,4]] - $f(n) = 19 + 8 = 27$
[[5,8,2][3,6,7][1,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,5,8][7,1,2][3,6,4]]

Generated Nodes :

[[5,0,8][7,1,2][3,6,4]] - Already visited Node!
[[7,5,8][0,1,2][3,6,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[5,1,8][7,0,2][3,6,4]]

Generated Nodes :

[[5,0,8][7,1,2][3,6,4]] - Already visited Node!
[[5,1,8][7,2,0][3,6,4]] - $f(n) = 19 + 8 = 27$
[[5,1,8][0,7,2][3,6,4]] - $f(n) = 19 + 8 = 27$
[[5,1,8][7,6,2][3,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,8,2][5,7,1][3,6,4]]

Generated Nodes :

[[8,0,2][5,7,1][3,6,4]] - Already visited Node!
[[5,8,2][0,7,1][3,6,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][3,7,1][0,6,4]]

Generated Nodes :

[[5,8,2][0,7,1][3,6,4]] - Already visited Node!
[[5,8,2][3,7,1][6,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[5,8,2][7,6,1][3,4,0]]

Generated Nodes :

[[5,8,2][7,6,0][3,4,1]] - Already visited Node!
[[5,8,2][7,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][7,6,1][0,3,4]]

Generated Nodes :

[[5,8,2][0,6,1][7,3,4]] - $f(n) = 19 + 7 = 26$
[[5,8,2][7,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[3,7,5][8,0,2][1,6,4]]

Generated Nodes :

[[3,0,5][8,7,2][1,6,4]] - $f(n) = 19 + 8 = 27$
[[3,7,5][8,2,0][1,6,4]] - $f(n) = 19 + 8 = 27$
[[3,7,5][0,8,2][1,6,4]] - Already visited Node!
[[3,7,5][8,6,2][1,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[3,7,5][1,8,2][0,6,4]]

Generated Nodes :

[[3,7,5][0,8,2][1,6,4]] - Already visited Node!
[[3,7,5][1,8,2][6,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,8,0][3,2,5][1,6,4]]

Generated Nodes :

[[7,0,8][3,2,5][1,6,4]] - $f(n) = 19 + 8 = 27$
[[7,8,5][3,2,0][1,6,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,8,5][3,2,4][1,6,0]]

Generated Nodes :

[[7,8,5][3,2,0][1,6,4]] - Already visited Node!
[[7,8,5][3,2,4][1,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,8,5][7,3,2][1,6,4]]

Generated Nodes :

[[8,0,5][7,3,2][1,6,4]] - $f(n) = 19 + 8 = 27$
[[7,8,5][0,3,2][1,6,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,8,5][1,3,2][0,6,4]]

Generated Nodes :

[[7,8,5][0,3,2][1,6,4]] - Already visited Node!
[[7,8,5][1,3,2][6,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,8,5][3,6,2][1,4,0]]

Generated Nodes :

[[7,8,5][3,6,0][1,4,2]] - $f(n) = 19 + 8 = 27$
[[7,8,5][3,6,2][1,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,8,5][3,6,2][0,1,4]]

Generated Nodes :

[[7,8,5][0,6,2][3,1,4]] - $f(n) = 19 + 8 = 27$
[[7,8,5][3,6,2][1,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,3,2][7,0,8][1,6,4]]

Generated Nodes :

[[5,0,2][7,3,8][1,6,4]] - Already visited Node!
[[5,3,2][7,8,0][1,6,4]] - $f(n) = 19 + 8 = 27$
[[5,3,2][0,7,8][1,6,4]] - $f(n) = 19 + 8 = 27$
[[5,3,2][7,6,8][1,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,5,2][1,0,8][6,3,4]]

Generated Nodes :

[[7,0,2][1,5,8][6,3,4]] - $f(n) = 19 + 7 = 26$
[[7,5,2][1,8,0][6,3,4]] - $f(n) = 19 + 8 = 27$
[[7,5,2][0,1,8][6,3,4]] - $f(n) = 19 + 8 = 27$
[[7,5,2][1,3,8][6,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][1,3,8][6,4,0]]

Generated Nodes :

[[7,5,2][1,3,0][6,4,8]] - $f(n) = 19 + 8 = 27$
[[7,5,2][1,3,8][6,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,0][3,6,2][1,4,8]]

Generated Nodes :

[[7,0,5][3,6,2][1,4,8]] - $f(n) = 19 + 8 = 27$
[[7,5,2][3,6,0][1,4,8]] - Already visited Node!

Node Chosen for Level 19 - [[0,5,2][7,6,8][3,1,4]]

Generated Nodes :

[[5,0,2][7,6,8][3,1,4]] - $f(n) = 19 + 8 = 27$
[[7,5,2][0,6,8][3,1,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][6,0,8][3,1,4]]

Generated Nodes :

$[7,0,2][6,5,8][3,1,4]$ - $f(n) = 19 + 7 = 26$
 $[7,5,2][6,8,0][3,1,4]$ - $f(n) = 19 + 8 = 27$
 $[7,5,2][0,6,8][3,1,4]$ - Already visited Node!
 $[7,5,2][6,1,8][3,0,4]$ - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[8,5,0][1,7,2][3,6,4]$

Generated Nodes :

$[8,0,5][1,7,2][3,6,4]$ - Already visited Node!
 $[8,5,2][1,7,0][3,6,4]$ - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[0,8,5][1,7,2][3,6,4]$

Generated Nodes :

$[8,0,5][1,7,2][3,6,4]$ - Already visited Node!
 $[1,8,5][0,7,2][3,6,4]$ - $f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[8,7,0][1,2,5][3,6,4]$

Generated Nodes :

$[8,0,7][1,2,5][3,6,4]$ - $f(n) = 19 + 8 = 27$
 $[8,7,5][1,2,0][3,6,4]$ - Already visited Node!

Node Chosen for Level 19 - $[8,7,5][1,2,4][3,6,0]$

Generated Nodes :

$[8,7,5][1,2,0][3,6,4]$ - Already visited Node!
 $[8,7,5][1,2,4][3,0,6]$ - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[8,7,5][1,6,2][3,4,0]$

Generated Nodes :

$[8,7,5][1,6,0][3,4,2]$ - $f(n) = 19 + 8 = 27$
 $[8,7,5][1,6,2][3,0,4]$ - Already visited Node!

Node Chosen for Level 19 - $[8,7,5][1,6,2][0,3,4]$

Generated Nodes :

$[8,7,5][0,6,2][1,3,4]$ - $f(n) = 19 + 8 = 27$
 $[8,7,5][1,6,2][3,0,4]$ - Already visited Node!

Node Chosen for Level 19 - $[8,7,5][3,0,2][6,1,4]$

Generated Nodes :

[[8,0,5][3,7,2][6,1,4]] - $f(n) = 19 + 8 = 27$
[[8,7,5][3,2,0][6,1,4]] - $f(n) = 19 + 8 = 27$
[[8,7,5][0,3,2][6,1,4]] - $f(n) = 19 + 8 = 27$
[[8,7,5][3,1,2][6,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[8,7,5][3,1,2][6,4,0]]

Generated Nodes :

[[8,7,5][3,1,0][6,4,2]] - $f(n) = 19 + 8 = 27$
[[8,7,5][3,1,2][6,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[0,7,1][8,2,5][3,6,4]]

Generated Nodes :

[[7,0,1][8,2,5][3,6,4]] - Already visited Node!
[[8,7,1][0,2,5][3,6,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,1,5][8,0,4][3,2,6]]

Generated Nodes :

[[7,0,5][8,1,4][3,2,6]] - $f(n) = 19 + 8 = 27$
[[7,1,5][8,4,0][3,2,6]] - $f(n) = 19 + 8 = 27$
[[7,1,5][0,8,4][3,2,6]] - $f(n) = 19 + 8 = 27$
[[7,1,5][8,2,4][3,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,1,5][8,2,4][0,3,6]]

Generated Nodes :

[[7,1,5][0,2,4][8,3,6]] - $f(n) = 19 + 8 = 27$
[[7,1,5][8,2,4][3,0,6]] - Already visited Node!

Node Chosen for Level 19 - [[7,1,5][3,8,2][6,4,0]]

Generated Nodes :

[[7,1,5][3,8,0][6,4,2]] - $f(n) = 19 + 8 = 27$
[[7,1,5][3,8,2][6,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,1,0][8,6,5][3,4,2]]

Generated Nodes :

[[7,0,1][8,6,5][3,4,2]] - $f(n) = 19 + 8 = 27$
[[7,1,5][8,6,0][3,4,2]] - Already visited Node!

Node Chosen for Level 19 - [[0,1,5][7,6,2][8,3,4]]

Generated Nodes :

[[1,0,5][7,6,2][8,3,4]] - $f(n) = 19 + 7 = 26$
[[7,1,5][0,6,2][8,3,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,1,5][6,0,2][8,3,4]]

Generated Nodes :

[[7,0,5][6,1,2][8,3,4]] - $f(n) = 19 + 8 = 27$
[[7,1,5][6,2,0][8,3,4]] - $f(n) = 19 + 8 = 27$
[[7,1,5][0,6,2][8,3,4]] - Already visited Node!
[[7,1,5][6,3,2][8,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[0,8,2][5,7,1][3,6,4]]

Generated Nodes :

[[8,0,2][5,7,1][3,6,4]] - Already visited Node!
[[5,8,2][0,7,1][3,6,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][3,7,1][0,6,4]]

Generated Nodes :

[[5,8,2][0,7,1][3,6,4]] - Already visited Node!
[[5,8,2][3,7,1][6,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[5,8,2][7,6,1][3,4,0]]

Generated Nodes :

[[5,8,2][7,6,0][3,4,1]] - Already visited Node!
[[5,8,2][7,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[5,8,2][7,6,1][0,3,4]]

Generated Nodes :

[[5,8,2][0,6,1][7,3,4]] - $f(n) = 19 + 7 = 26$
[[5,8,2][7,6,1][3,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,0][3,8,2][6,4,1]]

Generated Nodes :

[[7,0,5][3,8,2][6,4,1]] - $f(n) = 19 + 8 = 27$
[[7,5,2][3,8,0][6,4,1]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][3,0,8][6,4,1]]

Generated Nodes :

[[7,0,2][3,5,8][6,4,1]] - $f(n) = 19 + 7 = 26$
[[7,5,2][3,8,0][6,4,1]] - Already visited Node!
[[7,5,2][0,3,8][6,4,1]] - $f(n) = 19 + 8 = 27$
[[7,5,2][3,4,8][6,0,1]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[5,6,2][7,0,1][8,3,4]]

Generated Nodes :

[[5,0,2][7,6,1][8,3,4]] - Already visited Node!
[[5,6,2][7,1,0][8,3,4]] - $f(n) = 19 + 8 = 27$
[[5,6,2][0,7,1][8,3,4]] - $f(n) = 19 + 8 = 27$
[[5,6,2][7,3,1][8,0,4]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,5,0][6,1,2][8,3,4]]

Generated Nodes :

[[7,0,5][6,1,2][8,3,4]] - $f(n) = 19 + 8 = 27$
[[7,5,2][6,1,0][8,3,4]] - Already visited Node!

Node Chosen for Level 19 - [[7,5,2][6,1,4][8,3,0]]

Generated Nodes :

[[7,5,2][6,1,0][8,3,4]] - Already visited Node!
[[7,5,2][6,1,4][8,0,3]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[7,5,2][6,3,1][8,4,0]]

Generated Nodes :

[[7,5,2][6,3,0][8,4,1]] - $f(n) = 19 + 8 = 27$
[[7,5,2][6,3,1][8,0,4]] - Already visited Node!

Node Chosen for Level 19 - [[0,5,1][7,4,2][8,3,6]]

Generated Nodes :

[[5,0,1][7,4,2][8,3,6]] - Already visited Node!
[[7,5,1][0,4,2][8,3,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - [[5,4,1][7,0,2][8,3,6]]

Generated Nodes :

[[5,0,1][7,4,2][8,3,6]] - Already visited Node!
[[5,4,1][7,2,0][8,3,6]] - $f(n) = 19 + 8 = 27$
[[5,4,1][0,7,2][8,3,6]] - $f(n) = 19 + 8 = 27$
[[5,4,1][7,3,2][8,0,6]] - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[5,1,2][8,0,4][3,7,6]]

Generated Nodes :

[[5,0,2][8,1,4][3,7,6]] – $f(n) = 19 + 8 = 27$
[[5,1,2][8,4,0][3,7,6]] – $f(n) = 19 + 8 = 27$
[[5,1,2][0,8,4][3,7,6]] – $f(n) = 19 + 8 = 27$
[[5,1,2][8,7,4][3,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,1,2][8,7,4][3,6,0]]

Generated Nodes :

[[5,1,2][8,7,0][3,6,4]] – $f(n) = 19 + 8 = 27$
[[5,1,2][8,7,4][3,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[5,1,0][7,3,2][8,6,4]]

Generated Nodes :

[[5,0,1][7,3,2][8,6,4]] – $f(n) = 19 + 8 = 27$
[[5,1,2][7,3,0][8,6,4]] – Already visited Node!

Node Chosen for Level 19 – [[5,1,2][7,0,3][8,6,4]]

Generated Nodes :

[[5,0,2][7,1,3][8,6,4]] – $f(n) = 19 + 8 = 27$
[[5,1,2][7,3,0][8,6,4]] – Already visited Node!
[[5,1,2][0,7,3][8,6,4]] – $f(n) = 19 + 8 = 27$
[[5,1,2][7,6,3][8,0,4]] – $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 – [[7,4,0][1,2,5][8,3,6]]

Generated Nodes :

[[7,0,4][1,2,5][8,3,6]] – Already visited Node!
[[7,4,5][1,2,0][8,3,6]] – Already visited Node!

Node Chosen for Level 19 – [[7,4,5][1,3,2][8,6,0]]

Generated Nodes :

[[7,4,5][1,3,0][8,6,2]] – $f(n) = 19 + 8 = 27$
[[7,4,5][1,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 19 – [[0,7,5][1,3,2][8,6,4]]

Generated Nodes :

[[7,0,5][1,3,2][8,6,4]] – Already visited Node!

$[[1,7,5][0,3,2][8,6,4]] - f(n) = 19 + 7 = 26$

Node Chosen for Level 19 - $[[7,3,5][1,0,2][8,6,4]]$

Generated Nodes :

$[[7,0,5][1,3,2][8,6,4]]$ - Already visited Node!
 $[[7,3,5][1,2,0][8,6,4]]$ - $f(n) = 19 + 8 = 27$
 $[[7,3,5][0,1,2][8,6,4]]$ - $f(n) = 19 + 8 = 27$
 $[[7,3,5][1,6,2][8,0,4]]$ - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[0,5,2][7,1,3][8,6,4]]$

Generated Nodes :

$[[5,0,2][7,1,3][8,6,4]]$ - $f(n) = 19 + 8 = 27$
 $[[7,5,2][0,1,3][8,6,4]]$ - Already visited Node!

Node Chosen for Level 19 - $[[7,5,2][8,1,3][0,6,4]]$

Generated Nodes :

$[[7,5,2][0,1,3][8,6,4]]$ - Already visited Node!
 $[[7,5,2][8,1,3][6,0,4]]$ - $f(n) = 19 + 8 = 27$

Node Chosen for Level 19 - $[[7,5,2][1,6,3][8,4,0]]$

Generated Nodes :

$[[7,5,2][1,6,0][8,4,3]]$ - Already visited Node!
 $[[7,5,2][1,6,3][8,0,4]]$ - Already visited Node!

Node Chosen for Level 20 - $[[5,8,2][3,7,6][4,0,1]]$

Generated Nodes :

$[[5,8,2][3,0,6][4,7,1]]$ - $f(n) = 20 + 7 = 27$
 $[[5,8,2][3,7,6][4,1,0]]$ - $f(n) = 20 + 7 = 27$
 $[[5,8,2][3,7,6][0,4,1]]$ - Already visited Node!

Node Chosen for Level 20 - $[[4,0,2][5,7,6][8,3,1]]$

Generated Nodes :

$[[4,2,0][5,7,6][8,3,1]]$ - $f(n) = 20 + 6 = 26$
 $[[0,4,2][5,7,6][8,3,1]]$ - Already visited Node!
 $[[4,7,2][5,0,6][8,3,1]]$ - Already visited Node!

Node Chosen for Level 20 - $[[5,4,2][8,7,6][3,0,1]]$

Generated Nodes :

$[5,4,2][8,0,6][3,7,1] - f(n) = 20 + 7 = 27$
 $[5,4,2][8,7,6][3,1,0] - f(n) = 20 + 7 = 27$
 $[5,4,2][8,7,6][0,3,1] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[5,2,4][3,8,0][1,7,6]$

Generated Nodes :

$[5,2,0][3,8,4][1,7,6] - \text{Already visited Node!}$
 $[5,2,4][3,0,8][1,7,6] - \text{Already visited Node!}$
 $[5,2,4][3,8,6][1,7,0] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[5,2,4][0,3,8][1,7,6]$

Generated Nodes :

$[0,2,4][5,3,8][1,7,6] - f(n) = 20 + 7 = 27$
 $[5,2,4][3,0,8][1,7,6] - \text{Already visited Node!}$
 $[5,2,4][1,3,8][0,7,6] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[5,2,4][3,7,0][1,6,8]$

Generated Nodes :

$[5,2,0][3,7,4][1,6,8] - f(n) = 20 + 7 = 27$
 $[5,2,4][3,0,7][1,6,8] - f(n) = 20 + 7 = 27$
 $[5,2,4][3,7,8][1,6,0] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[5,2,4][0,7,1][3,6,8]$

Generated Nodes :

$[0,2,4][5,7,1][3,6,8] - f(n) = 20 + 7 = 27$
 $[5,2,4][7,0,1][3,6,8] - \text{Already visited Node!}$
 $[5,2,4][3,7,1][0,6,8] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[5,2,4][7,6,1][3,0,8]$

Generated Nodes :

$[5,2,4][7,0,1][3,6,8] - \text{Already visited Node!}$
 $[5,2,4][7,6,1][3,8,0] - \text{Already visited Node!}$
 $[5,2,4][7,6,1][0,3,8] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[4,0,5][7,3,2][1,8,6]$

Generated Nodes :

$[4,5,0][7,3,2][1,8,6] - f(n) = 20 + 7 = 27$
 $[0,4,5][7,3,2][1,8,6] - \text{Already visited Node!}$
 $[4,3,5][7,0,2][1,8,6] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[8,7,2][3,5,0][6,4,1]]

Generated Nodes :

[[8,7,0][3,5,2][6,4,1]] – $f(n) = 20 + 7 = 27$
[[8,7,2][3,0,5][6,4,1]] – $f(n) = 20 + 8 = 28$
[[8,7,2][3,5,1][6,4,0]] – Already visited Node!

Node Chosen for Level 21 – [[0,2,1][7,5,4][8,3,6]]

Generated Nodes :

[[2,0,1][7,5,4][8,3,6]] – $f(n) = 21 + 7 = 28$
[[7,2,1][0,5,4][8,3,6]] – Already visited Node!

Node Chosen for Level 20 – [[8,5,2][4,1,7][3,0,6]]

Generated Nodes :

[[8,5,2][4,0,7][3,1,6]] – Already visited Node!
[[8,5,2][4,1,7][3,6,0]] – $f(n) = 20 + 7 = 27$
[[8,5,2][4,1,7][0,3,6]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[8,0,7][4,1,5][3,6,2]]

Generated Nodes :

[[8,7,0][4,1,5][3,6,2]] – Already visited Node!
[[0,8,7][4,1,5][3,6,2]] – $f(n) = 20 + 7 = 27$
[[8,1,7][4,0,5][3,6,2]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[8,0,5][4,7,1][3,6,2]]

Generated Nodes :

[[8,5,0][4,7,1][3,6,2]] – $f(n) = 20 + 7 = 27$
[[0,8,5][4,7,1][3,6,2]] – $f(n) = 20 + 7 = 27$
[[8,7,5][4,0,1][3,6,2]] – Already visited Node!

Node Chosen for Level 20 – [[8,7,5][4,6,1][3,0,2]]

Generated Nodes :

[[8,7,5][4,0,1][3,6,2]] – Already visited Node!
[[8,7,5][4,6,1][3,2,0]] – $f(n) = 20 + 7 = 27$
[[8,7,5][4,6,1][0,3,2]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[8,7,5][0,4,6][3,2,1]]

Generated Nodes :

[[0,7,5][8,4,6][3,2,1]] – Already visited Node!

[[8,7,5][4,0,6][3,2,1]] - Already visited Node!
[[8,7,5][3,4,6][0,2,1]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[4,0,5][7,8,6][3,2,1]]

Generated Nodes :

[[4,5,0][7,8,6][3,2,1]] - $f(n) = 20 + 7 = 27$
[[0,4,5][7,8,6][3,2,1]] - Already visited Node!
[[4,8,5][7,0,6][3,2,1]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,4,5][3,8,6][2,0,1]]

Generated Nodes :

[[7,4,5][3,0,6][2,8,1]] - $f(n) = 20 + 6 = 26$
[[7,4,5][3,8,6][2,1,0]] - $f(n) = 20 + 7 = 27$
[[7,4,5][3,8,6][0,2,1]] - Already visited Node!

Node Chosen for Level 20 - [[4,0,5][7,2,6][8,3,1]]

Generated Nodes :

[[4,5,0][7,2,6][8,3,1]] - $f(n) = 20 + 7 = 27$
[[0,4,5][7,2,6][8,3,1]] - Already visited Node!
[[4,2,5][7,0,6][8,3,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,0,5][2,4,6][8,3,1]]

Generated Nodes :

[[7,5,0][2,4,6][8,3,1]] - $f(n) = 20 + 7 = 27$
[[0,7,5][2,4,6][8,3,1]] - $f(n) = 20 + 7 = 27$
[[7,4,5][2,0,6][8,3,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,4,5][2,3,6][8,0,1]]

Generated Nodes :

[[7,4,5][2,0,6][8,3,1]] - Already visited Node!
[[7,4,5][2,3,6][8,1,0]] - $f(n) = 20 + 7 = 27$
[[7,4,5][2,3,6][0,8,1]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,8,2][3,7,6][4,0,1]]

Generated Nodes :

[[5,8,2][3,0,6][4,7,1]] - $f(n) = 20 + 7 = 27$
[[5,8,2][3,7,6][4,1,0]] - $f(n) = 20 + 7 = 27$
[[5,8,2][3,7,6][0,4,1]] - Already visited Node!

Node Chosen for Level 20 - [[5,2,4][8,7,1][3,0,6]]

Generated Nodes :

[[5,2,4][8,0,1][3,7,6]] - $f(n) = 20 + 7 = 27$
[[5,2,4][8,7,1][3,6,0]] - $f(n) = 20 + 7 = 27$
[[5,2,4][8,7,1][0,3,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,2,4][7,3,0][8,6,1]]

Generated Nodes :

[[5,2,0][7,3,4][8,6,1]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,0,3][8,6,1]] - $f(n) = 20 + 7 = 27$
[[5,2,4][7,3,1][8,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[5,0,2][7,1,6][8,4,3]]

Generated Nodes :

[[5,2,0][7,1,6][8,4,3]] - $f(n) = 20 + 6 = 26$
[[0,5,2][7,1,6][8,4,3]] - Already visited Node!
[[5,1,2][7,0,6][8,4,3]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,2][8,1,6][4,0,3]]

Generated Nodes :

[[7,5,2][8,0,6][4,1,3]] - $f(n) = 20 + 7 = 27$
[[7,5,2][8,1,6][4,3,0]] - $f(n) = 20 + 7 = 27$
[[7,5,2][8,1,6][0,4,3]] - Already visited Node!

Node Chosen for Level 21 - [[1,7,0][8,5,2][3,6,4]]

Generated Nodes :

[[1,0,7][8,5,2][3,6,4]] - $f(n) = 21 + 6 = 27$
[[1,7,2][8,5,0][3,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[8,1,2][5,4,0][7,3,6]]

Generated Nodes :

[[8,1,0][5,4,2][7,3,6]] - $f(n) = 20 + 7 = 27$
[[8,1,2][5,0,4][7,3,6]] - Already visited Node!
[[8,1,2][5,4,6][7,3,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[8,1,2][5,3,4][7,0,6]]

Generated Nodes :

[[8,1,2][5,0,4][7,3,6]] - Already visited Node!
[[8,1,2][5,3,4][7,6,0]] - $f(n) = 20 + 7 = 27$

$[[8,1,2][5,3,4][0,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,8][1,4,2][7,3,6]]$

Generated Nodes :

$[[5,8,0][1,4,2][7,3,6]] - \text{Already visited Node!}$

$[[0,5,8][1,4,2][7,3,6]] - f(n) = 20 + 7 = 27$

$[[5,4,8][1,0,2][7,3,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,8,2][1,3,0][7,6,4]]$

Generated Nodes :

$[[5,8,0][1,3,2][7,6,4]] - f(n) = 20 + 7 = 27$

$[[5,8,2][1,0,3][7,6,4]] - f(n) = 20 + 7 = 27$

$[[5,8,2][1,3,4][7,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[3,7,2][1,5,8][6,0,4]]$

Generated Nodes :

$[[3,7,2][1,0,8][6,5,4]] - f(n) = 20 + 8 = 28$

$[[3,7,2][1,5,8][6,4,0]] - f(n) = 20 + 7 = 27$

$[[3,7,2][1,5,8][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,3,2][7,0,6][4,8,1]]$

Generated Nodes :

$[[5,0,2][7,3,6][4,8,1]] - \text{Already visited Node!}$

$[[5,3,2][7,6,0][4,8,1]] - f(n) = 21 + 7 = 28$

$[[5,3,2][0,7,6][4,8,1]] - f(n) = 21 + 6 = 27$

$[[5,3,2][7,8,6][4,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[0,2,4][5,7,3][1,8,6]]$

Generated Nodes :

$[[2,0,4][5,7,3][1,8,6]] - f(n) = 21 + 7 = 28$

$[[5,2,4][0,7,3][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,4][1,7,3][0,8,6]]$

Generated Nodes :

$[[5,2,4][0,7,3][1,8,6]] - \text{Already visited Node!}$

$[[5,2,4][1,7,3][8,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[8,5,0][4,7,6][3,2,1]]$

Generated Nodes :

[[8,0,5][4,7,6][3,2,1]] - Already visited Node!
[[8,5,6][4,7,0][3,2,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,8,5][4,7,6][3,2,1]]

Generated Nodes :

[[8,0,5][4,7,6][3,2,1]] - Already visited Node!
[[4,8,5][0,7,6][3,2,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,2,4][5,7,6][8,1,3]]

Generated Nodes :

[[2,0,4][5,7,6][8,1,3]] - $f(n) = 21 + 7 = 28$
[[5,2,4][0,7,6][8,1,3]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][8,7,6][0,1,3]]

Generated Nodes :

[[5,2,4][0,7,6][8,1,3]] - Already visited Node!
[[5,2,4][8,7,6][1,0,3]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[5,4,2][7,0,6][1,8,3]]

Generated Nodes :

[[5,0,2][7,4,6][1,8,3]] - Already visited Node!
[[5,4,2][7,6,0][1,8,3]] - $f(n) = 21 + 7 = 28$
[[5,4,2][0,7,6][1,8,3]] - $f(n) = 21 + 6 = 27$
[[5,4,2][7,8,6][1,0,3]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,2,8][3,5,4][0,1,6]]

Generated Nodes :

[[7,2,8][0,5,4][3,1,6]] - $f(n) = 21 + 6 = 27$
[[7,2,8][3,5,4][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,2][1,5,6][0,4,8]]

Generated Nodes :

[[3,7,2][0,5,6][1,4,8]] - Already visited Node!
[[3,7,2][1,5,6][4,0,8]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 20 - [[4,0,5][7,3,2][1,8,6]]

Generated Nodes :

$[[4,5,0][7,3,2][1,8,6]] - f(n) = 20 + 7 = 27$
 $[[0,4,5][7,3,2][1,8,6]] - \text{Already visited Node!}$
 $[[4,3,5][7,0,2][1,8,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[8,2,4][5,1,7][3,0,6]]$

Generated Nodes :

$[[8,2,4][5,0,7][3,1,6]] - \text{Already visited Node!}$
 $[[8,2,4][5,1,7][3,6,0]] - f(n) = 20 + 7 = 27$
 $[[8,2,4][5,1,7][0,3,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,1][0,7,8][3,6,4]]$

Generated Nodes :

$[[0,2,1][5,7,8][3,6,4]] - f(n) = 20 + 7 = 27$
 $[[5,2,1][7,0,8][3,6,4]] - \text{Already visited Node!}$
 $[[5,2,1][3,7,8][0,6,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,1][7,6,8][3,0,4]]$

Generated Nodes :

$[[5,2,1][7,0,8][3,6,4]] - \text{Already visited Node!}$
 $[[5,2,1][7,6,8][3,4,0]] - f(n) = 20 + 7 = 27$
 $[[5,2,1][7,6,8][0,3,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,2,1][7,8,4][3,0,6]]$

Generated Nodes :

$[[5,2,1][7,0,4][3,8,6]] - f(n) = 20 + 6 = 26$
 $[[5,2,1][7,8,4][3,6,0]] - \text{Already visited Node!}$
 $[[5,2,1][7,8,4][0,3,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,0,5][3,1,2][6,8,4]]$

Generated Nodes :

$[[7,5,0][3,1,2][6,8,4]] - \text{Already visited Node!}$
 $[[0,7,5][3,1,2][6,8,4]] - f(n) = 20 + 7 = 27$
 $[[7,1,5][3,0,2][6,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,0,2][7,3,1][6,8,4]]$

Generated Nodes :

$[[5,2,0][7,3,1][6,8,4]] - f(n) = 20 + 6 = 26$
 $[[0,5,2][7,3,1][6,8,4]] - \text{Already visited Node!}$
 $[[5,3,2][7,0,1][6,8,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[5,0,2][7,1,6][8,4,3]]

Generated Nodes :

[[5,2,0][7,1,6][8,4,3]] – $f(n) = 20 + 6 = 26$
[[0,5,2][7,1,6][8,4,3]] – Already visited Node!
[[5,1,2][7,0,6][8,4,3]] – Already visited Node!

Node Chosen for Level 20 – [[5,1,2][0,7,6][8,4,3]]

Generated Nodes :

[[0,1,2][5,7,6][8,4,3]] – $f(n) = 20 + 7 = 27$
[[5,1,2][7,0,6][8,4,3]] – Already visited Node!
[[5,1,2][8,7,6][0,4,3]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 – [[5,2,4][1,3,8][7,6,0]]

Generated Nodes :

[[5,2,4][1,3,0][7,6,8]] – $f(n) = 21 + 6 = 27$
[[5,2,4][1,3,8][7,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[8,4,2][5,0,6][7,3,1]]

Generated Nodes :

[[8,0,2][5,4,6][7,3,1]] – Already visited Node!
[[8,4,2][5,6,0][7,3,1]] – $f(n) = 21 + 7 = 28$
[[8,4,2][0,5,6][7,3,1]] – $f(n) = 21 + 5 = 26$
[[8,4,2][5,3,6][7,0,1]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[3,7,2][6,5,1][0,8,4]]

Generated Nodes :

[[3,7,2][0,5,1][6,8,4]] – Already visited Node!
[[3,7,2][6,5,1][8,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,5,2][3,1,4][7,8,6]]

Generated Nodes :

[[5,0,2][3,1,4][7,8,6]] – Already visited Node!
[[3,5,2][0,1,4][7,8,6]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,1,0][3,4,2][7,8,6]]

Generated Nodes :

[[5,0,1][3,4,2][7,8,6]] – $f(n) = 21 + 6 = 27$
[[5,1,2][3,4,0][7,8,6]] – Already visited Node!

Node Chosen for Level 21 – [[3,2,4][5,0,7][1,8,6]]

Generated Nodes :

[[3,0,4][5,2,7][1,8,6]] – $f(n) = 21 + 7 = 28$
[[3,2,4][5,7,0][1,8,6]] – Already visited Node!
[[3,2,4][0,5,7][1,8,6]] – $f(n) = 21 + 5 = 26$
[[3,2,4][5,8,7][1,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[1,2,4][5,0,7][8,3,6]]

Generated Nodes :

[[1,0,4][5,2,7][8,3,6]] – $f(n) = 21 + 7 = 28$
[[1,2,4][5,7,0][8,3,6]] – Already visited Node!
[[1,2,4][0,5,7][8,3,6]] – $f(n) = 21 + 5 = 26$
[[1,2,4][5,3,7][8,0,6]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[1,7,2][5,0,6][8,4,3]]

Generated Nodes :

[[1,0,2][5,7,6][8,4,3]] – $f(n) = 21 + 6 = 27$
[[1,7,2][5,6,0][8,4,3]] – $f(n) = 21 + 7 = 28$
[[1,7,2][0,5,6][8,4,3]] – Already visited Node!
[[1,7,2][5,4,6][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[1,7,2][3,0,4][5,8,6]]

Generated Nodes :

[[1,0,2][3,7,4][5,8,6]] – $f(n) = 21 + 6 = 27$
[[1,7,2][3,4,0][5,8,6]] – $f(n) = 21 + 6 = 27$
[[1,7,2][0,3,4][5,8,6]] – Already visited Node!
[[1,7,2][3,8,4][5,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,5,2][4,1,6][0,3,8]]

Generated Nodes :

[[7,5,2][0,1,6][4,3,8]] – $f(n) = 21 + 7 = 28$
[[7,5,2][4,1,6][3,0,8]] – Already visited Node!

Node Chosen for Level 20 – [[8,7,2][3,5,4][1,0,6]]

Generated Nodes :

[[8,7,2][3,0,4][1,5,6]] – $f(n) = 20 + 8 = 28$
[[8,7,2][3,5,4][1,6,0]] – $f(n) = 20 + 7 = 27$
[[8,7,2][3,5,4][0,1,6]] – Already visited Node!

Node Chosen for Level 20 – [[1,5,2][7,8,0][3,6,4]]

Generated Nodes :

[[1,5,0][7,8,2][3,6,4]] – Already visited Node!
[[1,5,2][7,0,8][3,6,4]] – $f(n) = 20 + 7 = 27$
[[1,5,2][7,8,4][3,6,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[1,8,5][7,2,0][3,6,4]]

Generated Nodes :

[[1,8,0][7,2,5][3,6,4]] – $f(n) = 20 + 7 = 27$
[[1,8,5][7,0,2][3,6,4]] – Already visited Node!
[[1,8,5][7,2,4][3,6,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[1,8,5][0,7,2][3,6,4]]

Generated Nodes :

[[0,8,5][1,7,2][3,6,4]] – Already visited Node!
[[1,8,5][7,0,2][3,6,4]] – Already visited Node!
[[1,8,5][3,7,2][0,6,4]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[1,8,5][7,6,2][3,0,4]]

Generated Nodes :

[[1,8,5][7,0,2][3,6,4]] – Already visited Node!
[[1,8,5][7,6,2][3,4,0]] – $f(n) = 20 + 7 = 27$
[[1,8,5][7,6,2][0,3,4]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[6,7,2][0,5,1][8,3,4]]

Generated Nodes :

[[0,7,2][6,5,1][8,3,4]] – Already visited Node!
[[6,7,2][5,0,1][8,3,4]] – $f(n) = 20 + 8 = 28$
[[6,7,2][8,5,1][0,3,4]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[1,7,5][8,4,2][3,0,6]]

Generated Nodes :

[[1,7,5][8,0,2][3,4,6]] – $f(n) = 20 + 7 = 27$
[[1,7,5][8,4,2][3,6,0]] – $f(n) = 20 + 7 = 27$
[[1,7,5][8,4,2][0,3,6]] – Already visited Node!

Node Chosen for Level 21 – [[3,5,0][4,7,2][1,8,6]]

Generated Nodes :

[[3,0,5][4,7,2][1,8,6]] - Already visited Node!
[[3,5,2][4,7,0][1,8,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,3,5][4,7,2][1,8,6]]

Generated Nodes :

[[3,0,5][4,7,2][1,8,6]] - Already visited Node!
[[4,3,5][0,7,2][1,8,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,7,0][4,2,5][1,8,6]]

Generated Nodes :

[[3,0,7][4,2,5][1,8,6]] - $f(n) = 21 + 6 = 27$
[[3,7,5][4,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,5,2][4,0,6][3,7,1]]

Generated Nodes :

[[8,0,2][4,5,6][3,7,1]] - $f(n) = 21 + 5 = 26$
[[8,5,2][4,6,0][3,7,1]] - $f(n) = 21 + 7 = 28$
[[8,5,2][0,4,6][3,7,1]] - $f(n) = 21 + 7 = 28$
[[8,5,2][4,7,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,5,2][4,7,6][0,3,1]]

Generated Nodes :

[[8,5,2][0,7,6][4,3,1]] - $f(n) = 21 + 7 = 28$
[[8,5,2][4,7,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,7][4,1,5][3,6,0]]

Generated Nodes :

[[8,2,7][4,1,0][3,6,5]] - $f(n) = 21 + 6 = 27$
[[8,2,7][4,1,5][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,7][4,1,5][0,3,6]]

Generated Nodes :

[[8,2,7][0,1,5][4,3,6]] - $f(n) = 21 + 7 = 28$
[[8,2,7][4,1,5][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,4][5,0,1][7,3,6]]

Generated Nodes :

[[8,0,4][5,2,1][7,3,6]] - $f(n) = 21 + 7 = 28$

[[8,2,4][5,1,0][7,3,6]] - Already visited Node!
[[8,2,4][0,5,1][7,3,6]] - $f(n) = 21 + 5 = 26$
[[8,2,4][5,3,1][7,0,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[5,8,2][1,0,6][7,4,3]]

Generated Nodes :

[[5,0,2][1,8,6][7,4,3]] - $f(n) = 21 + 6 = 27$
[[5,8,2][1,6,0][7,4,3]] - $f(n) = 21 + 7 = 28$
[[5,8,2][0,1,6][7,4,3]] - $f(n) = 21 + 6 = 27$
[[5,8,2][1,4,6][7,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,4][5,0,6][3,7,1]]

Generated Nodes :

[[8,0,4][5,2,6][3,7,1]] - $f(n) = 21 + 7 = 28$
[[8,2,4][5,6,0][3,7,1]] - $f(n) = 21 + 7 = 28$
[[8,2,4][0,5,6][3,7,1]] - $f(n) = 21 + 5 = 26$
[[8,2,4][5,7,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,4][5,7,6][0,3,1]]

Generated Nodes :

[[8,2,4][0,7,6][5,3,1]] - $f(n) = 21 + 6 = 27$
[[8,2,4][5,7,6][3,0,1]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,2][8,5,6][4,0,3]]

Generated Nodes :

[[1,7,2][8,0,6][4,5,3]] - $f(n) = 22 + 6 = 28$
[[1,7,2][8,5,6][4,3,0]] - $f(n) = 22 + 5 = 27$
[[1,7,2][8,5,6][0,4,3]] - Already visited Node!

Node Chosen for Level 22 - [[1,3,2][5,4,0][7,8,6]]

Generated Nodes :

[[1,3,0][5,4,2][7,8,6]] - $f(n) = 22 + 5 = 27$
[[1,3,2][5,0,4][7,8,6]] - Already visited Node!
[[1,3,2][5,4,6][7,8,0]] - $f(n) = 22 + 4 = 26$

Node Chosen for Level 21 - [[7,2,1][6,5,4][8,3,0]]

Generated Nodes :

[[7,2,1][6,5,0][8,3,4]] - Already visited Node!
[[7,2,1][6,5,4][8,0,3]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[1,5,0][4,7,2][8,3,6]]

Generated Nodes :

[[1,0,5][4,7,2][8,3,6]] – Already visited Node!
[[1,5,2][4,7,0][8,3,6]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[1,7,0][4,2,5][8,3,6]]

Generated Nodes :

[[1,0,7][4,2,5][8,3,6]] – $f(n) = 21 + 6 = 27$
[[1,7,5][4,2,0][8,3,6]] – Already visited Node!

Node Chosen for Level 21 – [[1,7,5][4,3,2][8,6,0]]

Generated Nodes :

[[1,7,5][4,3,0][8,6,2]] – $f(n) = 21 + 6 = 27$
[[1,7,5][4,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 22 – [[4,0,2][5,3,6][7,8,1]]

Generated Nodes :

[[4,2,0][5,3,6][7,8,1]] – $f(n) = 22 + 4 = 26$
[[0,4,2][5,3,6][7,8,1]] – Already visited Node!
[[4,3,2][5,0,6][7,8,1]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[5,0,2][3,4,6][7,8,1]]

Generated Nodes :

[[5,2,0][3,4,6][7,8,1]] – $f(n) = 22 + 4 = 26$
[[0,5,2][3,4,6][7,8,1]] – $f(n) = 22 + 5 = 27$
[[5,4,2][3,0,6][7,8,1]] – Already visited Node!

Node Chosen for Level 22 – [[5,2,4][3,1,0][7,8,6]]

Generated Nodes :

[[5,2,0][3,1,4][7,8,6]] – Already visited Node!
[[5,2,4][3,0,1][7,8,6]] – Already visited Node!
[[5,2,4][3,1,6][7,8,0]] – $f(n) = 22 + 4 = 26$

Node Chosen for Level 23 – [[1,2,4][5,0,3][7,8,6]]

Generated Nodes :

[[1,0,4][5,2,3][7,8,6]] – $f(n) = 23 + 5 = 28$
[[1,2,4][5,3,0][7,8,6]] – Already visited Node!
[[1,2,4][0,5,3][7,8,6]] – $f(n) = 23 + 3 = 26$

$[[1,2,4][5,8,3][7,0,6]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - $[[7,2,3][1,5,4][8,0,6]]$

Generated Nodes :

$[[7,2,3][1,0,4][8,5,6]] - f(n) = 22 + 6 = 28$

$[[7,2,3][1,5,4][8,6,0]] - \text{Already visited Node!}$

$[[7,2,3][1,5,4][0,8,6]] - f(n) = 22 + 4 = 26$

Node Chosen for Level 23 - $[[8,2,7][4,5,6][0,3,1]]$

Generated Nodes :

$[[8,2,7][0,5,6][4,3,1]] - f(n) = 23 + 5 = 28$

$[[8,2,7][4,5,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,5,2][4,1,6][7,8,3]]$

Generated Nodes :

$[[5,0,2][4,1,6][7,8,3]] - \text{Already visited Node!}$

$[[4,5,2][0,1,6][7,8,3]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 20 - $[[8,2,1][5,7,0][3,6,4]]$

Generated Nodes :

$[[8,2,0][5,7,1][3,6,4]] - \text{Already visited Node!}$

$[[8,2,1][5,0,7][3,6,4]] - f(n) = 20 + 7 = 27$

$[[8,2,1][5,7,4][3,6,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - $[[0,7,2][4,5,3][8,1,6]]$

Generated Nodes :

$[[7,0,2][4,5,3][8,1,6]] - \text{Already visited Node!}$

$[[4,7,2][0,5,3][8,1,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - $[[5,4,8][7,2,6][3,0,1]]$

Generated Nodes :

$[[5,4,8][7,0,6][3,2,1]] - f(n) = 20 + 7 = 27$

$[[5,4,8][7,2,6][3,1,0]] - \text{Already visited Node!}$

$[[5,4,8][7,2,6][0,3,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - $[[0,7,2][4,5,1][8,6,3]]$

Generated Nodes :

$[[7,0,2][4,5,1][8,6,3]] - \text{Already visited Node!}$

$[[4,7,2][0,5,1][8,6,3]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - $[[8,7,5][3,2,6][1,0,4]]$

Generated Nodes :

$[[8,7,5][3,0,6][1,2,4]] - f(n) = 20 + 7 = 27$
 $[[8,7,5][3,2,6][1,4,0]] - \text{Already visited Node!}$
 $[[8,7,5][3,2,6][0,1,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[4,5,2][7,8,6][3,0,1]]$

Generated Nodes :

$[[4,5,2][7,0,6][3,8,1]] - f(n) = 20 + 6 = 26$
 $[[4,5,2][7,8,6][3,1,0]] - \text{Already visited Node!}$
 $[[4,5,2][7,8,6][0,3,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[4,8,5][7,2,6][3,0,1]]$

Generated Nodes :

$[[4,8,5][7,0,6][3,2,1]] - f(n) = 20 + 7 = 27$
 $[[4,8,5][7,2,6][3,1,0]] - \text{Already visited Node!}$
 $[[4,8,5][7,2,6][0,3,1]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,4,5][1,2,6][8,0,3]]$

Generated Nodes :

$[[7,4,5][1,0,6][8,2,3]] - f(n) = 20 + 7 = 27$
 $[[7,4,5][1,2,6][8,3,0]] - \text{Already visited Node!}$
 $[[7,4,5][1,2,6][0,8,3]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[7,5,8][4,2,0][3,1,6]]$

Generated Nodes :

$[[7,5,0][4,2,8][3,1,6]] - f(n) = 20 + 7 = 27$
 $[[7,5,8][4,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][4,2,6][3,1,0]] - f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - $[[7,5,8][4,1,2][3,0,6]]$

Generated Nodes :

$[[7,5,8][4,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][4,1,2][3,6,0]] - f(n) = 20 + 7 = 27$
 $[[7,5,8][4,1,2][0,3,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,4,8][7,2,6][3,0,1]]$

Generated Nodes :

[[5,4,8][7,0,6][3,2,1]] - $f(n) = 20 + 7 = 27$
[[5,4,8][7,2,6][3,1,0]] - Already visited Node!
[[5,4,8][7,2,6][0,3,1]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,2,4][3,8,0][1,7,6]]

Generated Nodes :

[[5,2,0][3,8,4][1,7,6]] - Already visited Node!
[[5,2,4][3,0,8][1,7,6]] - Already visited Node!
[[5,2,4][3,8,6][1,7,0]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[5,8,2][3,4,6][1,0,7]]

Generated Nodes :

[[5,8,2][3,0,6][1,4,7]] - $f(n) = 20 + 7 = 27$
[[5,8,2][3,4,6][1,7,0]] - Already visited Node!
[[5,8,2][3,4,6][0,1,7]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,2,8][7,3,0][1,6,4]]

Generated Nodes :

[[5,2,0][7,3,8][1,6,4]] - Already visited Node!
[[5,2,8][7,0,3][1,6,4]] - $f(n) = 20 + 7 = 27$
[[5,2,8][7,3,4][1,6,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,0,5][3,1,2][6,8,4]]

Generated Nodes :

[[7,5,0][3,1,2][6,8,4]] - Already visited Node!
[[0,7,5][3,1,2][6,8,4]] - $f(n) = 20 + 7 = 27$
[[7,1,5][3,0,2][6,8,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,1,5][3,2,0][6,8,4]]

Generated Nodes :

[[7,1,0][3,2,5][6,8,4]] - $f(n) = 20 + 7 = 27$
[[7,1,5][3,0,2][6,8,4]] - Already visited Node!
[[7,1,5][3,2,4][6,8,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,1,5][0,3,2][6,8,4]]

Generated Nodes :

[[0,1,5][7,3,2][6,8,4]] - $f(n) = 20 + 7 = 27$
[[7,1,5][3,0,2][6,8,4]] - Already visited Node!

[[7,1,5][6,3,2][0,8,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,0,5][8,1,6][3,4,2]]

Generated Nodes :

[[7,5,0][8,1,6][3,4,2]] - $f(n) = 20 + 7 = 27$
[[0,7,5][8,1,6][3,4,2]] - $f(n) = 20 + 7 = 27$
[[7,1,5][8,0,6][3,4,2]] - Already visited Node!

Node Chosen for Level 20 - [[7,1,5][0,8,6][3,4,2]]

Generated Nodes :

[[0,1,5][7,8,6][3,4,2]] - $f(n) = 20 + 7 = 27$
[[7,1,5][8,0,6][3,4,2]] - Already visited Node!
[[7,1,5][3,8,6][0,4,2]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,1,5][8,4,6][3,0,2]]

Generated Nodes :

[[7,1,5][8,0,6][3,4,2]] - Already visited Node!
[[7,1,5][8,4,6][3,2,0]] - $f(n) = 20 + 7 = 27$
[[7,1,5][8,4,6][0,3,2]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,2,1][7,6,0][8,3,4]]

Generated Nodes :

[[5,2,0][7,6,1][8,3,4]] - Already visited Node!
[[5,2,1][7,0,6][8,3,4]] - $f(n) = 20 + 6 = 26$
[[5,2,1][7,6,4][8,3,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,4,5][1,2,6][8,0,3]]

Generated Nodes :

[[7,4,5][1,0,6][8,2,3]] - $f(n) = 20 + 7 = 27$
[[7,4,5][1,2,6][8,3,0]] - Already visited Node!
[[7,4,5][1,2,6][0,8,3]] - $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 - [[7,5,2][0,6,3][1,8,4]]

Generated Nodes :

[[0,5,2][7,6,3][1,8,4]] - $f(n) = 20 + 7 = 27$
[[7,5,2][6,0,3][1,8,4]] - $f(n) = 20 + 7 = 27$
[[7,5,2][1,6,3][0,8,4]] - Already visited Node!

Node Chosen for Level 21 - [[0,5,3][7,4,2][1,8,6]]

Generated Nodes :

[[5,0,3][7,4,2][1,8,6]] - Already visited Node!
[[7,5,3][0,4,2][1,8,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[5,4,3][7,0,2][1,8,6]]

Generated Nodes :

[[5,0,3][7,4,2][1,8,6]] - Already visited Node!
[[5,4,3][7,2,0][1,8,6]] - $f(n) = 21 + 6 = 27$
[[5,4,3][0,7,2][1,8,6]] - $f(n) = 21 + 6 = 27$
[[5,4,3][7,8,2][1,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,8,2][4,5,7][3,1,6]]

Generated Nodes :

[[8,0,2][4,5,7][3,1,6]] - Already visited Node!
[[4,8,2][0,5,7][3,1,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,1,2][8,5,4][7,3,6]]

Generated Nodes :

[[1,0,2][8,5,4][7,3,6]] - $f(n) = 21 + 5 = 26$
[[8,1,2][0,5,4][7,3,6]] - Already visited Node!

Node Chosen for Level 21 - [[1,5,2][8,0,4][7,3,6]]

Generated Nodes :

[[1,0,2][8,5,4][7,3,6]] - $f(n) = 21 + 5 = 26$
[[1,5,2][8,4,0][7,3,6]] - $f(n) = 21 + 6 = 27$
[[1,5,2][0,8,4][7,3,6]] - Already visited Node!
[[1,5,2][8,3,4][7,0,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,2,4][8,5,7][3,1,6]]

Generated Nodes :

[[2,0,4][8,5,7][3,1,6]] - $f(n) = 21 + 7 = 28$
[[8,2,4][0,5,7][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,4][3,5,7][0,1,6]]

Generated Nodes :

[[8,2,4][0,5,7][3,1,6]] - Already visited Node!
[[8,2,4][3,5,7][1,0,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - [[5,2,4][1,8,6][7,0,3]]

Generated Nodes :

[[5,2,4][1,0,6][7,8,3]] - Already visited Node!
[[5,2,4][1,8,6][7,3,0]] - Already visited Node!
[[5,2,4][1,8,6][0,7,3]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,4][3,1,0][7,8,6]]

Generated Nodes :

[[5,2,0][3,1,4][7,8,6]] - Already visited Node!
[[5,2,4][3,0,1][7,8,6]] - Already visited Node!
[[5,2,4][3,1,6][7,8,0]] - $f(n) = 22 + 4 = 26$

Node Chosen for Level 22 - [[1,2,4][5,7,6][8,0,3]]

Generated Nodes :

[[1,2,4][5,0,6][8,7,3]] - $f(n) = 22 + 5 = 27$
[[1,2,4][5,7,6][8,3,0]] - Already visited Node!
[[1,2,4][5,7,6][0,8,3]] - $f(n) = 22 + 4 = 26$

Node Chosen for Level 22 - [[1,7,2][0,4,6][5,8,3]]

Generated Nodes :

[[0,7,2][1,4,6][5,8,3]] - $f(n) = 22 + 6 = 28$
[[1,7,2][4,0,6][5,8,3]] - $f(n) = 22 + 4 = 26$
[[1,7,2][5,4,6][0,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[1,7,2][8,5,3][0,6,4]]

Generated Nodes :

[[1,7,2][0,5,3][8,6,4]] - Already visited Node!
[[1,7,2][8,5,3][6,0,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - [[8,2,4][5,1,6][7,0,3]]

Generated Nodes :

[[8,2,4][5,0,6][7,1,3]] - $f(n) = 22 + 5 = 27$
[[8,2,4][5,1,6][7,3,0]] - Already visited Node!
[[8,2,4][5,1,6][0,7,3]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,4][1,8,6][7,0,3]]

Generated Nodes :

[[5,2,4][1,0,6][7,8,3]] - Already visited Node!
[[5,2,4][1,8,6][7,3,0]] - Already visited Node!

$[[5,2,4][1,8,6][0,7,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[1,7,5][4,2,6][8,0,3]]$

Generated Nodes :

$[[1,7,5][4,0,6][8,2,3]] - f(n) = 22 + 5 = 27$
 $[[1,7,5][4,2,6][8,3,0]] - \text{Already visited Node!}$
 $[[1,7,5][4,2,6][0,8,3]] - f(n) = 22 + 4 = 26$

Node Chosen for Level 23 - $[[1,4,2][5,0,6][7,8,3]]$

Generated Nodes :

$[[1,0,2][5,4,6][7,8,3]] - \text{Already visited Node!}$
 $[[1,4,2][5,6,0][7,8,3]] - f(n) = 23 + 5 = 28$
 $[[1,4,2][0,5,6][7,8,3]] - f(n) = 23 + 3 = 26$
 $[[1,4,2][5,8,6][7,0,3]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - $[[7,2,1][4,5,0][8,6,3]]$

Generated Nodes :

$[[7,2,0][4,5,1][8,6,3]] - \text{Already visited Node!}$
 $[[7,2,1][4,0,5][8,6,3]] - f(n) = 22 + 6 = 28$
 $[[7,2,1][4,5,3][8,6,0]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 21 - $[[7,8,0][4,5,2][3,1,6]]$

Generated Nodes :

$[[7,0,8][4,5,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,8,2][4,5,0][3,1,6]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[0,7,8][4,5,2][3,1,6]]$

Generated Nodes :

$[[7,0,8][4,5,2][3,1,6]] - \text{Already visited Node!}$
 $[[4,7,8][0,5,2][3,1,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 24 - $[[7,2,3][4,5,6][8,0,1]]$

Generated Nodes :

$[[7,2,3][4,0,6][8,5,1]] - f(n) = 24 + 4 = 28$
 $[[7,2,3][4,5,6][8,1,0]] - \text{Already visited Node!}$
 $[[7,2,3][4,5,6][0,8,1]] - f(n) = 24 + 2 = 26$

Node Chosen for Level 20 - $[[1,7,4][0,2,5][8,3,6]]$

Generated Nodes :

[[0,7,4][1,2,5][8,3,6]] - Already visited Node!
[[1,7,4][2,0,5][8,3,6]] - $f(n) = 20 + 7 = 27$
[[1,7,4][8,2,5][0,3,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 21 - [[4,2,0][5,7,6][8,3,1]]

Generated Nodes :

[[4,0,2][5,7,6][8,3,1]] - Already visited Node!
[[4,2,6][5,7,0][8,3,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[4,7,2][5,3,6][0,8,1]]

Generated Nodes :

[[4,7,2][0,3,6][5,8,1]] - $f(n) = 21 + 6 = 27$
[[4,7,2][5,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][8,1,6][3,5,4]]

Generated Nodes :

[[7,0,2][8,1,6][3,5,4]] - $f(n) = 21 + 7 = 28$
[[7,2,6][8,1,0][3,5,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,2][3,5,8][4,1,6]]

Generated Nodes :

[[7,2,0][3,5,8][4,1,6]] - $f(n) = 20 + 6 = 26$
[[0,7,2][3,5,8][4,1,6]] - $f(n) = 20 + 7 = 27$
[[7,5,2][3,0,8][4,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[2,7,4][0,5,8][3,1,6]]

Generated Nodes :

[[0,7,4][2,5,8][3,1,6]] - $f(n) = 20 + 7 = 27$
[[2,7,4][5,0,8][3,1,6]] - Already visited Node!
[[2,7,4][3,5,8][0,1,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,3,2][0,8,4][7,1,6]]

Generated Nodes :

[[0,3,2][5,8,4][7,1,6]] - $f(n) = 20 + 7 = 27$
[[5,3,2][8,0,4][7,1,6]] - $f(n) = 20 + 7 = 27$
[[5,3,2][7,8,4][0,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,0][3,7,6][4,5,1]]

Generated Nodes :

[[8,0,2][3,7,6][4,5,1]] - Already visited Node!
[[8,2,6][3,7,0][4,5,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[8,7,2][4,3,6][0,5,1]]

Generated Nodes :

[[8,7,2][0,3,6][4,5,1]] - Already visited Node!
[[8,7,2][4,3,6][5,0,1]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,1][8,4,6][3,5,0]]

Generated Nodes :

[[7,2,1][8,4,0][3,5,6]] - Already visited Node!
[[7,2,1][8,4,6][3,0,5]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[1,2,0][8,7,4][3,5,6]]

Generated Nodes :

[[1,0,2][8,7,4][3,5,6]] - Already visited Node!
[[1,2,4][8,7,0][3,5,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[1,7,2][8,4,6][3,5,0]]

Generated Nodes :

[[1,7,2][8,4,0][3,5,6]] - Already visited Node!
[[1,7,2][8,4,6][3,0,5]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - [[2,7,4][0,5,6][3,8,1]]

Generated Nodes :

[[0,7,4][2,5,6][3,8,1]] - $f(n) = 22 + 5 = 27$
[[2,7,4][5,0,6][3,8,1]] - Already visited Node!
[[2,7,4][3,5,6][0,8,1]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[2,8,4][0,5,6][7,3,1]]

Generated Nodes :

[[0,8,4][2,5,6][7,3,1]] - $f(n) = 22 + 5 = 27$
[[2,8,4][5,0,6][7,3,1]] - Already visited Node!
[[2,8,4][7,5,6][0,3,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,4][0,3,6][7,1,8]]

Generated Nodes :

[[0,2,4][5,3,6][7,1,8]] - $f(n) = 22 + 5 = 27$
[[5,2,4][3,0,6][7,1,8]] - $f(n) = 22 + 5 = 27$
[[5,2,4][7,3,6][0,1,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][4,1,3][0,8,6]]

Generated Nodes :

[[7,5,2][0,1,3][4,8,6]] - $f(n) = 21 + 7 = 28$
[[7,5,2][4,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][7,0,1][3,8,4]]

Generated Nodes :

[[5,0,6][7,2,1][3,8,4]] - $f(n) = 21 + 7 = 28$
[[5,2,6][7,1,0][3,8,4]] - $f(n) = 21 + 6 = 27$
[[5,2,6][0,7,1][3,8,4]] - $f(n) = 21 + 6 = 27$
[[5,2,6][7,8,1][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][7,3,4][0,8,1]]

Generated Nodes :

[[5,2,6][0,3,4][7,8,1]] - $f(n) = 21 + 5 = 26$
[[5,2,6][7,3,4][8,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][7,4,1][0,8,3]]

Generated Nodes :

[[5,2,6][0,4,1][7,8,3]] - $f(n) = 21 + 5 = 26$
[[5,2,6][7,4,1][8,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][8,4,6][3,1,5]]

Generated Nodes :

[[7,0,2][8,4,6][3,1,5]] - $f(n) = 21 + 7 = 28$
[[7,2,6][8,4,0][3,1,5]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,4][2,5,8][3,1,6]]

Generated Nodes :

[[7,4,0][2,5,8][3,1,6]] - $f(n) = 20 + 7 = 27$
[[0,7,4][2,5,8][3,1,6]] - $f(n) = 20 + 7 = 27$
[[7,5,4][2,0,8][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,2][4,0,6][5,3,1]]

Generated Nodes :

$[[8,0,2][4,7,6][5,3,1]] - f(n) = 21 + 6 = 27$
 $[[8,7,2][4,6,0][5,3,1]] - f(n) = 21 + 7 = 28$
 $[[8,7,2][0,4,6][5,3,1]] - \text{Already visited Node!}$
 $[[8,7,2][4,3,6][5,0,1]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[7,2,1][8,0,6][3,4,5]]$

Generated Nodes :

$[[7,0,1][8,2,6][3,4,5]] - f(n) = 21 + 7 = 28$
 $[[7,2,1][8,6,0][3,4,5]] - \text{Already visited Node!}$
 $[[7,2,1][0,8,6][3,4,5]] - f(n) = 21 + 6 = 27$
 $[[7,2,1][8,4,6][3,0,5]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - $[[7,0,4][2,5,6][3,8,1]]$

Generated Nodes :

$[[7,4,0][2,5,6][3,8,1]] - f(n) = 22 + 5 = 27$
 $[[0,7,4][2,5,6][3,8,1]] - f(n) = 22 + 5 = 27$
 $[[7,5,4][2,0,6][3,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,6,5][4,3,2][0,8,1]]$

Generated Nodes :

$[[7,6,5][0,3,2][4,8,1]] - f(n) = 21 + 7 = 28$
 $[[7,6,5][4,3,2][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,0][7,3,6][1,4,8]]$

Generated Nodes :

$[[5,0,2][7,3,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,2,6][7,3,0][1,4,8]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[7,5,2][1,3,6][4,8,0]]$

Generated Nodes :

$[[7,5,2][1,3,0][4,8,6]] - f(n) = 21 + 7 = 28$
 $[[7,5,2][1,3,6][4,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,0][7,4,6][3,1,8]]$

Generated Nodes :

$[[5,0,2][7,4,6][3,1,8]] - \text{Already visited Node!}$
 $[[5,2,6][7,4,0][3,1,8]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 20 – [[8,7,4][2,5,0][3,1,6]]

Generated Nodes :

[[8,7,0][2,5,4][3,1,6]] – $f(n) = 20 + 7 = 27$
[[8,7,4][2,0,5][3,1,6]] – Already visited Node!
[[8,7,4][2,5,6][3,1,0]] – $f(n) = 20 + 6 = 26$

Node Chosen for Level 20 – [[4,0,2][7,5,8][3,1,6]]

Generated Nodes :

[[4,2,0][7,5,8][3,1,6]] – $f(n) = 20 + 6 = 26$
[[0,4,2][7,5,8][3,1,6]] – $f(n) = 20 + 7 = 27$
[[4,5,2][7,0,8][3,1,6]] – Already visited Node!

Node Chosen for Level 20 – [[4,8,5][0,1,2][7,3,6]]

Generated Nodes :

[[0,8,5][4,1,2][7,3,6]] – $f(n) = 20 + 6 = 26$
[[4,8,5][1,0,2][7,3,6]] – $f(n) = 20 + 7 = 27$
[[4,8,5][7,1,2][0,3,6]] – Already visited Node!

Node Chosen for Level 20 – [[7,1,4][8,5,0][3,6,2]]

Generated Nodes :

[[7,1,0][8,5,4][3,6,2]] – $f(n) = 20 + 7 = 27$
[[7,1,4][8,0,5][3,6,2]] – Already visited Node!
[[7,1,4][8,5,2][3,6,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[5,4,8][0,1,2][7,3,6]]

Generated Nodes :

[[0,4,8][5,1,2][7,3,6]] – $f(n) = 20 + 7 = 27$
[[5,4,8][1,0,2][7,3,6]] – $f(n) = 20 + 7 = 27$
[[5,4,8][7,1,2][0,3,6]] – Already visited Node!

Node Chosen for Level 20 – [[5,8,2][0,6,1][7,3,4]]

Generated Nodes :

[[0,8,2][5,6,1][7,3,4]] – $f(n) = 20 + 7 = 27$
[[5,8,2][6,0,1][7,3,4]] – $f(n) = 20 + 7 = 27$
[[5,8,2][7,6,1][0,3,4]] – Already visited Node!

Node Chosen for Level 20 – [[7,0,2][1,5,8][6,3,4]]

Generated Nodes :

$[[7,2,0][1,5,8][6,3,4]] - f(n) = 20 + 6 = 26$
 $[[0,7,2][1,5,8][6,3,4]] - f(n) = 20 + 7 = 27$
 $[[7,5,2][1,0,8][6,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,2][6,5,8][3,1,4]]$

Generated Nodes :

$[[7,2,0][6,5,8][3,1,4]] - f(n) = 20 + 6 = 26$
 $[[0,7,2][6,5,8][3,1,4]] - f(n) = 20 + 7 = 27$
 $[[7,5,2][6,0,8][3,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[1,8,5][0,7,2][3,6,4]]$

Generated Nodes :

$[[0,8,5][1,7,2][3,6,4]] - \text{Already visited Node!}$
 $[[1,8,5][7,0,2][3,6,4]] - \text{Already visited Node!}$
 $[[1,8,5][3,7,2][0,6,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[1,0,5][7,6,2][8,3,4]]$

Generated Nodes :

$[[1,5,0][7,6,2][8,3,4]] - f(n) = 20 + 7 = 27$
 $[[0,1,5][7,6,2][8,3,4]] - \text{Already visited Node!}$
 $[[1,6,5][7,0,2][8,3,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,8,2][0,6,1][7,3,4]]$

Generated Nodes :

$[[0,8,2][5,6,1][7,3,4]] - f(n) = 20 + 7 = 27$
 $[[5,8,2][6,0,1][7,3,4]] - f(n) = 20 + 7 = 27$
 $[[5,8,2][7,6,1][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,2][3,5,8][6,4,1]]$

Generated Nodes :

$[[7,2,0][3,5,8][6,4,1]] - f(n) = 20 + 6 = 26$
 $[[0,7,2][3,5,8][6,4,1]] - f(n) = 20 + 7 = 27$
 $[[7,5,2][3,0,8][6,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[1,7,5][0,3,2][8,6,4]]$

Generated Nodes :

$[[0,7,5][1,3,2][8,6,4]] - \text{Already visited Node!}$
 $[[1,7,5][3,0,2][8,6,4]] - f(n) = 20 + 7 = 27$
 $[[1,7,5][8,3,2][0,6,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 21 – [[4,2,0][5,7,6][8,3,1]]

Generated Nodes :

[[4,0,2][5,7,6][8,3,1]] – Already visited Node!
[[4,2,6][5,7,0][8,3,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,2,4][3,8,6][1,7,0]]

Generated Nodes :

[[5,2,4][3,8,0][1,7,6]] – Already visited Node!
[[5,2,4][3,8,6][1,0,7]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[7,4,5][3,0,6][2,8,1]]

Generated Nodes :

[[7,0,5][3,4,6][2,8,1]] – $f(n) = 21 + 6 = 27$
[[7,4,5][3,6,0][2,8,1]] – $f(n) = 21 + 7 = 28$
[[7,4,5][0,3,6][2,8,1]] – $f(n) = 21 + 6 = 27$
[[7,4,5][3,8,6][2,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[4,2,5][7,0,6][8,3,1]]

Generated Nodes :

[[4,0,5][7,2,6][8,3,1]] – Already visited Node!
[[4,2,5][7,6,0][8,3,1]] – $f(n) = 21 + 7 = 28$
[[4,2,5][0,7,6][8,3,1]] – $f(n) = 21 + 6 = 27$
[[4,2,5][7,3,6][8,0,1]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[7,4,5][2,3,6][0,8,1]]

Generated Nodes :

[[7,4,5][0,3,6][2,8,1]] – $f(n) = 21 + 6 = 27$
[[7,4,5][2,3,6][8,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[5,2,0][7,1,6][8,4,3]]

Generated Nodes :

[[5,0,2][7,1,6][8,4,3]] – Already visited Node!
[[5,2,6][7,1,0][8,4,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[8,1,2][5,4,6][7,3,0]]

Generated Nodes :

[[8,1,2][5,4,0][7,3,6]] – Already visited Node!
[[8,1,2][5,4,6][7,0,3]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,2,1][7,0,4][3,8,6]]

Generated Nodes :

[[5,0,1][7,2,4][3,8,6]] – $f(n) = 21 + 7 = 28$
[[5,2,1][7,4,0][3,8,6]] – $f(n) = 21 + 6 = 27$
[[5,2,1][0,7,4][3,8,6]] – $f(n) = 21 + 6 = 27$
[[5,2,1][7,8,4][3,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,2,0][7,3,1][6,8,4]]

Generated Nodes :

[[5,0,2][7,3,1][6,8,4]] – Already visited Node!
[[5,2,1][7,3,0][6,8,4]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,2,0][7,1,6][8,4,3]]

Generated Nodes :

[[5,0,2][7,1,6][8,4,3]] – Already visited Node!
[[5,2,6][7,1,0][8,4,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 – [[8,4,2][0,5,6][7,3,1]]

Generated Nodes :

[[0,4,2][8,5,6][7,3,1]] – $f(n) = 22 + 5 = 27$
[[8,4,2][5,0,6][7,3,1]] – Already visited Node!
[[8,4,2][7,5,6][0,3,1]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[3,2,4][0,5,7][1,8,6]]

Generated Nodes :

[[0,2,4][3,5,7][1,8,6]] – $f(n) = 22 + 5 = 27$
[[3,2,4][5,0,7][1,8,6]] – Already visited Node!
[[3,2,4][1,5,7][0,8,6]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[1,2,4][0,5,7][8,3,6]]

Generated Nodes :

[[0,2,4][1,5,7][8,3,6]] – $f(n) = 22 + 6 = 28$
[[1,2,4][5,0,7][8,3,6]] – Already visited Node!
[[1,2,4][8,5,7][0,3,6]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[8,0,2][4,5,6][3,7,1]]

Generated Nodes :

$[[8,2,0][4,5,6][3,7,1]] - f(n) = 22 + 4 = 26$
 $[[0,8,2][4,5,6][3,7,1]] - f(n) = 22 + 5 = 27$
 $[[8,5,2][4,0,6][3,7,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,2,4][0,5,1][7,3,6]]$

Generated Nodes :

$[[0,2,4][8,5,1][7,3,6]] - f(n) = 22 + 5 = 27$
 $[[8,2,4][5,0,1][7,3,6]] - \text{Already visited Node!}$
 $[[8,2,4][7,5,1][0,3,6]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[8,2,4][0,5,6][3,7,1]]$

Generated Nodes :

$[[0,2,4][8,5,6][3,7,1]] - f(n) = 22 + 5 = 27$
 $[[8,2,4][5,0,6][3,7,1]] - \text{Already visited Node!}$
 $[[8,2,4][3,5,6][0,7,1]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 23 - $[[1,3,2][5,4,6][7,8,0]]$

Generated Nodes :

$[[1,3,2][5,4,0][7,8,6]] - \text{Already visited Node!}$
 $[[1,3,2][5,4,6][7,0,8]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[4,2,0][5,3,6][7,8,1]]$

Generated Nodes :

$[[4,0,2][5,3,6][7,8,1]] - \text{Already visited Node!}$
 $[[4,2,6][5,3,0][7,8,1]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[5,2,0][3,4,6][7,8,1]]$

Generated Nodes :

$[[5,0,2][3,4,6][7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,4,0][7,8,1]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[5,2,4][3,1,6][7,8,0]]$

Generated Nodes :

$[[5,2,4][3,1,0][7,8,6]] - \text{Already visited Node!}$
 $[[5,2,4][3,1,6][7,0,8]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - $[[1,2,4][0,5,3][7,8,6]]$

Generated Nodes :

$[[0,2,4][1,5,3][7,8,6]] - f(n) = 24 + 4 = 28$
 $[[1,2,4][5,0,3][7,8,6]] - \text{Already visited Node!}$
 $[[1,2,4][7,5,3][0,8,6]] - f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - $[[7,2,3][1,5,4][0,8,6]]$

Generated Nodes :

$[[7,2,3][0,5,4][1,8,6]] - f(n) = 23 + 4 = 27$
 $[[7,2,3][1,5,4][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,5,2][7,0,6][3,8,1]]$

Generated Nodes :

$[[4,0,2][7,5,6][3,8,1]] - f(n) = 21 + 5 = 26$
 $[[4,5,2][7,6,0][3,8,1]] - f(n) = 21 + 7 = 28$
 $[[4,5,2][0,7,6][3,8,1]] - f(n) = 21 + 6 = 27$
 $[[4,5,2][7,8,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,5][1,2,6][0,8,3]]$

Generated Nodes :

$[[7,4,5][0,2,6][1,8,3]] - f(n) = 21 + 6 = 27$
 $[[7,4,5][1,2,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,5,8][4,2,6][3,1,0]]$

Generated Nodes :

$[[7,5,8][4,2,0][3,1,6]] - \text{Already visited Node!}$
 $[[7,5,8][4,2,6][3,0,1]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[5,2,4][3,8,6][1,7,0]]$

Generated Nodes :

$[[5,2,4][3,8,0][1,7,6]] - \text{Already visited Node!}$
 $[[5,2,4][3,8,6][1,0,7]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[5,2,1][7,0,6][8,3,4]]$

Generated Nodes :

$[[5,0,1][7,2,6][8,3,4]] - f(n) = 21 + 7 = 28$
 $[[5,2,1][7,6,0][8,3,4]] - \text{Already visited Node!}$
 $[[5,2,1][0,7,6][8,3,4]] - f(n) = 21 + 6 = 27$
 $[[5,2,1][7,3,6][8,0,4]] - f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - $[[7,4,5][1,2,6][0,8,3]]$

Generated Nodes :

[[7,4,5][0,2,6][1,8,3]] - $f(n) = 21 + 6 = 27$
[[7,4,5][1,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,2][8,5,4][7,3,6]]

Generated Nodes :

[[1,2,0][8,5,4][7,3,6]] - $f(n) = 22 + 4 = 26$
[[0,1,2][8,5,4][7,3,6]] - Already visited Node!
[[1,5,2][8,0,4][7,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,2][8,5,4][7,3,6]]

Generated Nodes :

[[1,2,0][8,5,4][7,3,6]] - $f(n) = 22 + 4 = 26$
[[0,1,2][8,5,4][7,3,6]] - Already visited Node!
[[1,5,2][8,0,4][7,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,1,6][7,8,0]]

Generated Nodes :

[[5,2,4][3,1,0][7,8,6]] - Already visited Node!
[[5,2,4][3,1,6][7,0,8]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,2,4][5,7,6][0,8,3]]

Generated Nodes :

[[1,2,4][0,7,6][5,8,3]] - $f(n) = 23 + 4 = 27$
[[1,2,4][5,7,6][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,2][4,0,6][5,8,3]]

Generated Nodes :

[[1,0,2][4,7,6][5,8,3]] - $f(n) = 23 + 4 = 27$
[[1,7,2][4,6,0][5,8,3]] - $f(n) = 23 + 5 = 28$
[[1,7,2][0,4,6][5,8,3]] - Already visited Node!
[[1,7,2][4,8,6][5,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,7,5][4,2,6][0,8,3]]

Generated Nodes :

[[1,7,5][0,2,6][4,8,3]] - $f(n) = 23 + 5 = 28$
[[1,7,5][4,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,4,2][0,5,6][7,8,3]]

Generated Nodes :

[[0,4,2][1,5,6][7,8,3]] - $f(n) = 24 + 4 = 28$
[[1,4,2][5,0,6][7,8,3]] - Already visited Node!
[[1,4,2][7,5,6][0,8,3]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 25 - [[7,2,3][4,5,6][0,8,1]]

Generated Nodes :

[[7,2,3][0,5,6][4,8,1]] - $f(n) = 25 + 3 = 28$
[[7,2,3][4,5,6][8,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][3,5,8][4,1,6]]

Generated Nodes :

[[7,0,2][3,5,8][4,1,6]] - Already visited Node!
[[7,2,8][3,5,0][4,1,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - [[5,2,6][0,3,4][7,8,1]]

Generated Nodes :

[[0,2,6][5,3,4][7,8,1]] - $f(n) = 22 + 5 = 27$
[[5,2,6][3,0,4][7,8,1]] - $f(n) = 22 + 5 = 27$
[[5,2,6][7,3,4][0,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][0,4,1][7,8,3]]

Generated Nodes :

[[0,2,6][5,4,1][7,8,3]] - $f(n) = 22 + 5 = 27$
[[5,2,6][4,0,1][7,8,3]] - $f(n) = 22 + 4 = 26$
[[5,2,6][7,4,1][0,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,4][2,5,6][3,1,0]]

Generated Nodes :

[[8,7,4][2,5,0][3,1,6]] - Already visited Node!
[[8,7,4][2,5,6][3,0,1]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[4,2,0][7,5,8][3,1,6]]

Generated Nodes :

[[4,0,2][7,5,8][3,1,6]] - Already visited Node!
[[4,2,8][7,5,0][3,1,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,8,5][4,1,2][7,3,6]]

Generated Nodes :

[[8,0,5][4,1,2][7,3,6]] - $f(n) = 21 + 6 = 27$
[[4,8,5][0,1,2][7,3,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][1,5,8][6,3,4]]

Generated Nodes :

[[7,0,2][1,5,8][6,3,4]] - Already visited Node!
[[7,2,8][1,5,0][6,3,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,0][6,5,8][3,1,4]]

Generated Nodes :

[[7,0,2][6,5,8][3,1,4]] - Already visited Node!
[[7,2,8][6,5,0][3,1,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,0][3,5,8][6,4,1]]

Generated Nodes :

[[7,0,2][3,5,8][6,4,1]] - Already visited Node!
[[7,2,8][3,5,0][6,4,1]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 23 - [[8,2,0][4,5,6][3,7,1]]

Generated Nodes :

[[8,0,2][4,5,6][3,7,1]] - Already visited Node!
[[8,2,6][4,5,0][3,7,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - [[4,0,2][7,5,6][3,8,1]]

Generated Nodes :

[[4,2,0][7,5,6][3,8,1]] - $f(n) = 22 + 4 = 26$
[[0,4,2][7,5,6][3,8,1]] - $f(n) = 22 + 5 = 27$
[[4,5,2][7,0,6][3,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,0][8,5,4][7,3,6]]

Generated Nodes :

[[1,0,2][8,5,4][7,3,6]] - Already visited Node!
[[1,2,4][8,5,0][7,3,6]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 23 - [[1,2,0][8,5,4][7,3,6]]

Generated Nodes :

[[1,0,2][8,5,4][7,3,6]] - Already visited Node!
[[1,2,4][8,5,0][7,3,6]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 23 - [[5,2,6][4,0,1][7,8,3]]

Generated Nodes :

[[5,0,6][4,2,1][7,8,3]] - $f(n) = 23 + 5 = 28$
[[5,2,6][4,1,0][7,8,3]] - $f(n) = 23 + 4 = 27$
[[5,2,6][0,4,1][7,8,3]] - Already visited Node!
[[5,2,6][4,8,1][7,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[4,2,0][7,5,6][3,8,1]]

Generated Nodes :

[[4,0,2][7,5,6][3,8,1]] - Already visited Node!
[[4,2,6][7,5,0][3,8,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 20 - [[4,7,2][5,6,0][8,3,1]]

Generated Nodes :

[[4,7,0][5,6,2][8,3,1]] - $f(n) = 20 + 8 = 28$
[[4,7,2][5,0,6][8,3,1]] - Already visited Node!
[[4,7,2][5,6,1][8,3,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,0,6][8,2,1][3,5,4]]

Generated Nodes :

[[7,6,0][8,2,1][3,5,4]] - $f(n) = 20 + 8 = 28$
[[0,7,6][8,2,1][3,5,4]] - $f(n) = 20 + 8 = 28$
[[7,2,6][8,0,1][3,5,4]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,2][3,6,0][4,5,1]]

Generated Nodes :

[[8,7,0][3,6,2][4,5,1]] - $f(n) = 20 + 8 = 28$
[[8,7,2][3,0,6][4,5,1]] - Already visited Node!
[[8,7,2][3,6,1][4,5,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,0,1][8,2,4][3,5,6]]

Generated Nodes :

[[7,1,0][8,2,4][3,5,6]] - $f(n) = 20 + 8 = 28$
[[0,7,1][8,2,4][3,5,6]] - $f(n) = 20 + 8 = 28$
[[7,2,1][8,0,4][3,5,6]] - Already visited Node!

Node Chosen for Level 22 – [[7,0,4][5,2,6][1,8,3]]

Generated Nodes :

[[7,4,0][5,2,6][1,8,3]] – $f(n) = 22 + 6 = 28$
[[0,7,4][5,2,6][1,8,3]] – $f(n) = 22 + 6 = 28$
[[7,2,4][5,0,6][1,8,3]] – Already visited Node!

Node Chosen for Level 22 – [[7,2,4][5,6,0][1,8,3]]

Generated Nodes :

[[7,2,0][5,6,4][1,8,3]] – $f(n) = 22 + 6 = 28$
[[7,2,4][5,0,6][1,8,3]] – Already visited Node!
[[7,2,4][5,6,3][1,8,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,4][5,8,6][1,0,3]]

Generated Nodes :

[[7,2,4][5,0,6][1,8,3]] – Already visited Node!
[[7,2,4][5,8,6][1,3,0]] – $f(n) = 22 + 6 = 28$
[[7,2,4][5,8,6][0,1,3]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 20 – [[7,0,8][3,2,5][1,6,4]]

Generated Nodes :

[[7,8,0][3,2,5][1,6,4]] – Already visited Node!
[[0,7,8][3,2,5][1,6,4]] – $f(n) = 20 + 8 = 28$
[[7,2,8][3,0,5][1,6,4]] – Already visited Node!

Node Chosen for Level 21 – [[7,2,6][3,0,5][1,4,8]]

Generated Nodes :

[[7,0,6][3,2,5][1,4,8]] – $f(n) = 21 + 8 = 29$
[[7,2,6][3,5,0][1,4,8]] – Already visited Node!
[[7,2,6][0,3,5][1,4,8]] – $f(n) = 21 + 7 = 28$
[[7,2,6][3,4,5][1,0,8]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,2,6][1,0,5][8,4,3]]

Generated Nodes :

[[7,0,6][1,2,5][8,4,3]] – $f(n) = 21 + 8 = 29$
[[7,2,6][1,5,0][8,4,3]] – Already visited Node!
[[7,2,6][0,1,5][8,4,3]] – $f(n) = 21 + 7 = 28$
[[7,2,6][1,4,5][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 23 – [[7,2,6][4,0,5][1,8,3]]

Generated Nodes :

[[7,0,6][4,2,5][1,8,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][4,5,0][1,8,3]] - Already visited Node!
[[7,2,6][0,4,5][1,8,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][4,8,5][1,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 20 - [[7,5,2][0,4,3][8,1,6]]

Generated Nodes :

[[0,5,2][7,4,3][8,1,6]] - $f(n) = 20 + 8 = 28$
[[7,5,2][4,0,3][8,1,6]] - Already visited Node!
[[7,5,2][8,4,3][0,1,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,0,6][7,2,8][3,4,1]]

Generated Nodes :

[[5,6,0][7,2,8][3,4,1]] - $f(n) = 20 + 8 = 28$
[[0,5,6][7,2,8][3,4,1]] - $f(n) = 20 + 8 = 28$
[[5,2,6][7,0,8][3,4,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,2][3,6,1][4,0,8]]

Generated Nodes :

[[7,5,2][3,0,1][4,6,8]] - $f(n) = 20 + 8 = 28$
[[7,5,2][3,6,1][4,8,0]] - Already visited Node!
[[7,5,2][3,6,1][0,4,8]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,0,6][7,2,4][8,3,1]]

Generated Nodes :

[[5,6,0][7,2,4][8,3,1]] - $f(n) = 20 + 8 = 28$
[[0,5,6][7,2,4][8,3,1]] - $f(n) = 20 + 8 = 28$
[[5,2,6][7,0,4][8,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,6][3,5,1][4,0,8]]

Generated Nodes :

[[7,2,6][3,0,1][4,5,8]] - $f(n) = 22 + 7 = 29$
[[7,2,6][3,5,1][4,8,0]] - Already visited Node!
[[7,2,6][3,5,1][0,4,8]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 20 - [[2,0,6][7,8,5][3,4,1]]

Generated Nodes :

[[2,6,0][7,8,5][3,4,1]] - $f(n) = 20 + 8 = 28$

[[0,2,6][7,8,5][3,4,1]] - Already visited Node!
[[2,8,6][7,0,5][3,4,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,2][5,4,0][3,1,6]]

Generated Nodes :

[[8,7,0][5,4,2][3,1,6]] - Already visited Node!
[[8,7,2][5,0,4][3,1,6]] - Already visited Node!
[[8,7,2][5,4,6][3,1,0]] - Already visited Node!

Node Chosen for Level 20 - [[2,0,1][7,8,5][3,6,4]]

Generated Nodes :

[[2,1,0][7,8,5][3,6,4]] - $f(n) = 20 + 8 = 28$
[[0,2,1][7,8,5][3,6,4]] - Already visited Node!
[[2,8,1][7,0,5][3,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[2,0,4][7,1,5][8,3,6]]

Generated Nodes :

[[2,4,0][7,1,5][8,3,6]] - $f(n) = 20 + 8 = 28$
[[0,2,4][7,1,5][8,3,6]] - Already visited Node!
[[2,1,4][7,0,5][8,3,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 - [[4,7,2][8,0,6][3,5,1]]

Generated Nodes :

[[4,0,2][8,7,6][3,5,1]] - $f(n) = 21 + 7 = 28$
[[4,7,2][8,6,0][3,5,1]] - $f(n) = 21 + 8 = 29$
[[4,7,2][0,8,6][3,5,1]] - $f(n) = 21 + 7 = 28$
[[4,7,2][8,5,6][3,0,1]] - Already visited Node!

Node Chosen for Level 20 - [[4,7,5][0,6,2][8,3,1]]

Generated Nodes :

[[0,7,5][4,6,2][8,3,1]] - Already visited Node!
[[4,7,5][6,0,2][8,3,1]] - $f(n) = 20 + 8 = 28$
[[4,7,5][8,6,2][0,3,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,6,5][0,4,2][8,3,1]]

Generated Nodes :

[[0,6,5][7,4,2][8,3,1]] - $f(n) = 20 + 8 = 28$
[[7,6,5][4,0,2][8,3,1]] - Already visited Node!
[[7,6,5][8,4,2][0,3,1]] - Already visited Node!

Node Chosen for Level 20 – [[7,5,2][0,4,1][8,6,3]]

Generated Nodes :

[[0,5,2][7,4,1][8,6,3]] – $f(n) = 20 + 8 = 28$
[[7,5,2][4,0,1][8,6,3]] – Already visited Node!
[[7,5,2][8,4,1][0,6,3]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 22 – [[2,0,4][7,5,6][3,1,8]]

Generated Nodes :

[[2,4,0][7,5,6][3,1,8]] – $f(n) = 22 + 6 = 28$
[[0,2,4][7,5,6][3,1,8]] – Already visited Node!
[[2,5,4][7,0,6][3,1,8]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 – [[7,2,6][5,0,1][8,3,4]]

Generated Nodes :

[[7,0,6][5,2,1][8,3,4]] – $f(n) = 21 + 8 = 29$
[[7,2,6][5,1,0][8,3,4]] – $f(n) = 21 + 7 = 28$
[[7,2,6][0,5,1][8,3,4]] – Already visited Node!
[[7,2,6][5,3,1][8,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 – [[5,4,2][7,3,0][8,1,6]]

Generated Nodes :

[[5,4,0][7,3,2][8,1,6]] – $f(n) = 20 + 8 = 28$
[[5,4,2][7,0,3][8,1,6]] – $f(n) = 20 + 8 = 28$
[[5,4,2][7,3,6][8,1,0]] – Already visited Node!

Node Chosen for Level 20 – [[5,0,4][3,2,8][1,7,6]]

Generated Nodes :

[[5,4,0][3,2,8][1,7,6]] – $f(n) = 20 + 8 = 28$
[[0,5,4][3,2,8][1,7,6]] – $f(n) = 20 + 8 = 28$
[[5,2,4][3,0,8][1,7,6]] – Already visited Node!

Node Chosen for Level 20 – [[5,0,2][7,1,4][3,6,8]]

Generated Nodes :

[[5,2,0][7,1,4][3,6,8]] – Already visited Node!
[[0,5,2][7,1,4][3,6,8]] – $f(n) = 20 + 8 = 28$
[[5,1,2][7,0,4][3,6,8]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[5,0,4][7,2,1][3,6,8]]

Generated Nodes :

[[5,4,0][7,2,1][3,6,8]] - $f(n) = 20 + 8 = 28$
[[0,5,4][7,2,1][3,6,8]] - $f(n) = 20 + 8 = 28$
[[5,2,4][7,0,1][3,6,8]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,5][1,4,2][8,0,6]]

Generated Nodes :

[[3,7,5][1,0,2][8,4,6]] - $f(n) = 20 + 8 = 28$
[[3,7,5][1,4,2][8,6,0]] - $f(n) = 20 + 8 = 28$
[[3,7,5][1,4,2][0,8,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,3,2][1,7,4][8,0,6]]

Generated Nodes :

[[5,3,2][1,0,4][8,7,6]] - $f(n) = 20 + 8 = 28$
[[5,3,2][1,7,4][8,6,0]] - $f(n) = 20 + 8 = 28$
[[5,3,2][1,7,4][0,8,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,1][5,0,4][8,3,6]]

Generated Nodes :

[[7,0,1][5,2,4][8,3,6]] - $f(n) = 21 + 8 = 29$
[[7,2,1][5,4,0][8,3,6]] - $f(n) = 21 + 7 = 28$
[[7,2,1][0,5,4][8,3,6]] - Already visited Node!
[[7,2,1][5,3,4][8,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 - [[8,5,2][0,4,7][3,1,6]]

Generated Nodes :

[[0,5,2][8,4,7][3,1,6]] - $f(n) = 20 + 8 = 28$
[[8,5,2][4,0,7][3,1,6]] - Already visited Node!
[[8,5,2][3,4,7][0,1,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[4,8,7][0,2,5][3,1,6]]

Generated Nodes :

[[0,8,7][4,2,5][3,1,6]] - Already visited Node!
[[4,8,7][2,0,5][3,1,6]] - $f(n) = 20 + 8 = 28$
[[4,8,7][3,2,5][0,1,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][0,4,1][3,6,2]]

Generated Nodes :

[[0,7,5][8,4,1][3,6,2]] - Already visited Node!
[[8,7,5][4,0,1][3,6,2]] - Already visited Node!

$[[8,7,5][3,4,1][0,6,2]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,6][8,4,0][3,2,1]]$

Generated Nodes :

$[[7,5,0][8,4,6][3,2,1]] - \text{Already visited Node!}$

$[[7,5,6][8,0,4][3,2,1]] - f(n) = 20 + 8 = 28$

$[[7,5,6][8,4,1][3,2,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,4,5][2,6,0][8,3,1]]$

Generated Nodes :

$[[7,4,0][2,6,5][8,3,1]] - f(n) = 20 + 8 = 28$

$[[7,4,5][2,0,6][8,3,1]] - \text{Already visited Node!}$

$[[7,4,5][2,6,1][8,3,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[2,0,4][5,7,1][8,3,6]]$

Generated Nodes :

$[[2,4,0][5,7,1][8,3,6]] - f(n) = 20 + 8 = 28$

$[[0,2,4][5,7,1][8,3,6]] - \text{Already visited Node!}$

$[[2,7,4][5,0,1][8,3,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 21 - $[[1,7,2][8,0,5][3,6,4]]$

Generated Nodes :

$[[1,0,2][8,7,5][3,6,4]] - f(n) = 21 + 7 = 28$

$[[1,7,2][8,5,0][3,6,4]] - \text{Already visited Node!}$

$[[1,7,2][0,8,5][3,6,4]] - f(n) = 21 + 7 = 28$

$[[1,7,2][8,6,5][3,0,4]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - $[[5,2,4][8,3,0][7,1,6]]$

Generated Nodes :

$[[5,2,0][8,3,4][7,1,6]] - f(n) = 22 + 6 = 28$

$[[5,2,4][8,0,3][7,1,6]] - f(n) = 22 + 6 = 28$

$[[5,2,4][8,3,6][7,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,2,8][3,0,4][1,5,6]]$

Generated Nodes :

$[[7,0,8][3,2,4][1,5,6]] - f(n) = 21 + 8 = 29$

$[[7,2,8][3,4,0][1,5,6]] - f(n) = 21 + 7 = 28$

$[[7,2,8][0,3,4][1,5,6]] - f(n) = 21 + 7 = 28$

$[[7,2,8][3,5,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 – [[3,7,2][5,0,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] – $f(n) = 21 + 7 = 28$
[[3,7,2][5,6,0][1,4,8]] – $f(n) = 21 + 8 = 29$
[[3,7,2][0,5,6][1,4,8]] – Already visited Node!
[[3,7,2][5,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 20 – [[8,0,4][5,2,7][3,1,6]]

Generated Nodes :

[[8,4,0][5,2,7][3,1,6]] – $f(n) = 20 + 8 = 28$
[[0,8,4][5,2,7][3,1,6]] – $f(n) = 20 + 8 = 28$
[[8,2,4][5,0,7][3,1,6]] – Already visited Node!

Node Chosen for Level 20 – [[5,0,1][7,2,8][3,6,4]]

Generated Nodes :

[[5,1,0][7,2,8][3,6,4]] – $f(n) = 20 + 8 = 28$
[[0,5,1][7,2,8][3,6,4]] – $f(n) = 20 + 8 = 28$
[[5,2,1][7,0,8][3,6,4]] – Already visited Node!

Node Chosen for Level 20 – [[7,5,2][3,1,4][6,0,8]]

Generated Nodes :

[[7,5,2][3,0,4][6,1,8]] – $f(n) = 20 + 8 = 28$
[[7,5,2][3,1,4][6,8,0]] – Already visited Node!
[[7,5,2][3,1,4][0,6,8]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[5,1,2][7,6,0][8,4,3]]

Generated Nodes :

[[5,1,0][7,6,2][8,4,3]] – $f(n) = 20 + 8 = 28$
[[5,1,2][7,0,6][8,4,3]] – Already visited Node!
[[5,1,2][7,6,3][8,4,0]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 – [[5,2,4][1,3,8][0,7,6]]

Generated Nodes :

[[5,2,4][0,3,8][1,7,6]] – Already visited Node!
[[5,2,4][1,3,8][7,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[3,7,2][5,0,1][6,8,4]]

Generated Nodes :

$[[3,0,2][5,7,1][6,8,4]] - f(n) = 21 + 7 = 28$
 $[[3,7,2][5,1,0][6,8,4]] - f(n) = 21 + 7 = 28$
 $[[3,7,2][0,5,1][6,8,4]] - \text{Already visited Node!}$
 $[[3,7,2][5,8,1][6,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - $[[4,5,2][0,8,6][7,3,1]]$

Generated Nodes :

$[[0,5,2][4,8,6][7,3,1]] - \text{Already visited Node!}$
 $[[4,5,2][8,0,6][7,3,1]] - f(n) = 22 + 6 = 28$
 $[[4,5,2][7,8,6][0,3,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,8,2][4,3,0][7,1,6]]$

Generated Nodes :

$[[5,8,0][4,3,2][7,1,6]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][4,0,3][7,1,6]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][4,3,6][7,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,2,1][3,5,4][6,0,8]]$

Generated Nodes :

$[[7,2,1][3,0,4][6,5,8]] - f(n) = 22 + 7 = 29$
 $[[7,2,1][3,5,4][6,8,0]] - \text{Already visited Node!}$
 $[[7,2,1][3,5,4][0,6,8]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - $[[0,7,2][1,3,4][5,8,6]]$

Generated Nodes :

$[[7,0,2][1,3,4][5,8,6]] - f(n) = 21 + 7 = 28$
 $[[1,7,2][0,3,4][5,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][1,4,6][0,7,3]]$

Generated Nodes :

$[[5,8,2][0,4,6][1,7,3]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][1,4,6][7,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,3,2][5,8,4][7,0,6]]$

Generated Nodes :

$[[1,3,2][5,0,4][7,8,6]] - \text{Already visited Node!}$
 $[[1,3,2][5,8,4][7,6,0]] - f(n) = 22 + 6 = 28$
 $[[1,3,2][5,8,4][0,7,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,7,2][0,5,6][3,1,8]]$

Generated Nodes :

[[0,7,2][4,5,6][3,1,8]] - Already visited Node!
[[4,7,2][5,0,6][3,1,8]] - $f(n) = 22 + 7 = 29$
[[4,7,2][3,5,6][0,1,8]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - [[7,2,1][6,0,5][8,3,4]]

Generated Nodes :

[[7,0,1][6,2,5][8,3,4]] - $f(n) = 21 + 8 = 29$
[[7,2,1][6,5,0][8,3,4]] - Already visited Node!
[[7,2,1][0,6,5][8,3,4]] - Already visited Node!
[[7,2,1][6,3,5][8,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,1,5][4,7,2][8,3,6]]

Generated Nodes :

[[1,0,5][4,7,2][8,3,6]] - Already visited Node!
[[4,1,5][0,7,2][8,3,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[5,4,2][3,6,0][7,8,1]]

Generated Nodes :

[[5,4,0][3,6,2][7,8,1]] - $f(n) = 22 + 6 = 28$
[[5,4,2][3,0,6][7,8,1]] - Already visited Node!
[[5,4,2][3,6,1][7,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,4,2][3,8,6][7,0,1]]

Generated Nodes :

[[5,4,2][3,0,6][7,8,1]] - Already visited Node!
[[5,4,2][3,8,6][7,1,0]] - $f(n) = 22 + 6 = 28$
[[5,4,2][3,8,6][0,7,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,0,2][4,5,7][3,1,6]]

Generated Nodes :

[[8,2,0][4,5,7][3,1,6]] - Already visited Node!
[[0,8,2][4,5,7][3,1,6]] - Already visited Node!
[[8,5,2][4,0,7][3,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,4][5,3,1][7,8,6]]

Generated Nodes :

[[2,4,0][5,3,1][7,8,6]] - $f(n) = 22 + 6 = 28$

[[0,2,4][5,3,1][7,8,6]] - Already visited Node!
[[2,3,4][5,0,1][7,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,0,4][3,2,1][7,8,6]]

Generated Nodes :

[[5,4,0][3,2,1][7,8,6]] - $f(n) = 22 + 6 = 28$
[[0,5,4][3,2,1][7,8,6]] - $f(n) = 22 + 6 = 28$
[[5,2,4][3,0,1][7,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,4][3,8,1][7,0,6]]

Generated Nodes :

[[5,2,4][3,0,1][7,8,6]] - Already visited Node!
[[5,2,4][3,8,1][7,6,0]] - $f(n) = 22 + 6 = 28$
[[5,2,4][3,8,1][0,7,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[8,2,7][4,0,6][3,5,1]]

Generated Nodes :

[[8,0,7][4,2,6][3,5,1]] - $f(n) = 23 + 6 = 29$
[[8,2,7][4,6,0][3,5,1]] - $f(n) = 23 + 6 = 29$
[[8,2,7][0,4,6][3,5,1]] - $f(n) = 23 + 6 = 29$
[[8,2,7][4,5,6][3,0,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,6][0,3,5][4,8,1]]

Generated Nodes :

[[0,2,6][7,3,5][4,8,1]] - $f(n) = 22 + 6 = 28$
[[7,2,6][3,0,5][4,8,1]] - Already visited Node!
[[7,2,6][4,3,5][0,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][7,3,0][4,8,1]]

Generated Nodes :

[[5,2,0][7,3,6][4,8,1]] - Already visited Node!
[[5,2,6][7,0,3][4,8,1]] - $f(n) = 22 + 6 = 28$
[[5,2,6][7,3,1][4,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - [[8,1,2][7,5,4][0,3,6]]

Generated Nodes :

[[8,1,2][0,5,4][7,3,6]] - Already visited Node!
[[8,1,2][7,5,4][3,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,5,2][7,8,4][0,3,6]]

Generated Nodes :

[[1,5,2][0,8,4][7,3,6]] - Already visited Node!
[[1,5,2][7,8,4][3,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[5,2,6][7,3,0][4,8,1]]

Generated Nodes :

[[5,2,0][7,3,6][4,8,1]] - Already visited Node!
[[5,2,6][7,0,3][4,8,1]] - $f(n) = 22 + 6 = 28$
[[5,2,6][7,3,1][4,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,6][7,4,0][1,8,3]]

Generated Nodes :

[[5,2,0][7,4,6][1,8,3]] - Already visited Node!
[[5,2,6][7,0,4][1,8,3]] - $f(n) = 22 + 6 = 28$
[[5,2,6][7,4,3][1,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[8,2,6][5,4,0][7,3,1]]

Generated Nodes :

[[8,2,0][5,4,6][7,3,1]] - Already visited Node!
[[8,2,6][5,0,4][7,3,1]] - $f(n) = 22 + 6 = 28$
[[8,2,6][5,4,1][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,1,2][3,4,6][7,0,8]]

Generated Nodes :

[[5,1,2][3,0,6][7,4,8]] - $f(n) = 22 + 6 = 28$
[[5,1,2][3,4,6][7,8,0]] - Already visited Node!
[[5,1,2][3,4,6][0,7,8]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,2,4][5,7,6][1,0,8]]

Generated Nodes :

[[3,2,4][5,0,6][1,7,8]] - $f(n) = 22 + 6 = 28$
[[3,2,4][5,7,6][1,8,0]] - Already visited Node!
[[3,2,4][5,7,6][0,1,8]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,5,2][4,1,0][3,8,6]]

Generated Nodes :

[[7,5,0][4,1,2][3,8,6]] - $f(n) = 22 + 6 = 28$
[[7,5,2][4,0,1][3,8,6]] - $f(n) = 22 + 6 = 28$

[[7,5,2][4,1,6][3,8,0]] - Already visited Node!

Node Chosen for Level 21 - [[1,7,2][5,0,3][8,6,4]]

Generated Nodes :

[[1,0,2][5,7,3][8,6,4]] - $f(n) = 21 + 7 = 28$
[[1,7,2][5,3,0][8,6,4]] - Already visited Node!
[[1,7,2][0,5,3][8,6,4]] - Already visited Node!
[[1,7,2][5,6,3][8,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[3,7,5][4,2,6][1,0,8]]

Generated Nodes :

[[3,7,5][4,0,6][1,2,8]] - $f(n) = 22 + 6 = 28$
[[3,7,5][4,2,6][1,8,0]] - Already visited Node!
[[3,7,5][4,2,6][0,1,8]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[0,3,2][1,5,4][7,8,6]]

Generated Nodes :

[[3,0,2][1,5,4][7,8,6]] - $f(n) = 23 + 5 = 28$
[[1,3,2][0,5,4][7,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,3,2][7,5,4][0,8,6]]

Generated Nodes :

[[1,3,2][0,5,4][7,8,6]] - Already visited Node!
[[1,3,2][7,5,4][8,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[1,7,5][0,3,2][4,8,6]]

Generated Nodes :

[[0,7,5][1,3,2][4,8,6]] - $f(n) = 22 + 7 = 29$
[[1,7,5][3,0,2][4,8,6]] - $f(n) = 22 + 6 = 28$
[[1,7,5][4,3,2][0,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,2,4][5,3,6][7,0,8]]

Generated Nodes :

[[1,2,4][5,0,6][7,3,8]] - $f(n) = 24 + 4 = 28$
[[1,2,4][5,3,6][7,8,0]] - Already visited Node!
[[1,2,4][5,3,6][0,7,8]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,6][4,1,0][7,8,3]]

Generated Nodes :

[[5,2,0][4,1,6][7,8,3]] - Already visited Node!
[[5,2,6][4,0,1][7,8,3]] - Already visited Node!
[[5,2,6][4,1,3][7,8,0]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 24 - [[1,2,6][5,4,0][7,8,3]]

Generated Nodes :

[[1,2,0][5,4,6][7,8,3]] - Already visited Node!
[[1,2,6][5,0,4][7,8,3]] - $f(n) = 24 + 4 = 28$
[[1,2,6][5,4,3][7,8,0]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - [[7,2,3][4,0,5][8,1,6]]

Generated Nodes :

[[7,0,3][4,2,5][8,1,6]] - $f(n) = 23 + 6 = 29$
[[7,2,3][4,5,0][8,1,6]] - Already visited Node!
[[7,2,3][0,4,5][8,1,6]] - $f(n) = 23 + 6 = 29$
[[7,2,3][4,1,5][8,0,6]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 21 - [[7,4,0][3,2,6][1,5,8]]

Generated Nodes :

[[7,0,4][3,2,6][1,5,8]] - Already visited Node!
[[7,4,6][3,2,0][1,5,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,4][3,2,6][1,5,8]]

Generated Nodes :

[[7,0,4][3,2,6][1,5,8]] - Already visited Node!
[[3,7,4][0,2,6][1,5,8]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,2,0][3,6,4][1,5,8]]

Generated Nodes :

[[7,0,2][3,6,4][1,5,8]] - $f(n) = 21 + 8 = 29$
[[7,2,4][3,6,0][1,5,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,4][3,6,8][1,5,0]]

Generated Nodes :

[[7,2,4][3,6,0][1,5,8]] - Already visited Node!
[[7,2,4][3,6,8][1,0,5]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,6,0][4,2,5][8,3,1]]

Generated Nodes :

[[7,0,6][4,2,5][8,3,1]] - Already visited Node!
[[7,6,5][4,2,0][8,3,1]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,6][4,2,5][8,3,1]]

Generated Nodes :

[[7,0,6][4,2,5][8,3,1]] - Already visited Node!
[[4,7,6][0,2,5][8,3,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,2,6][7,4,5][8,3,1]]

Generated Nodes :

[[2,0,6][7,4,5][8,3,1]] - $f(n) = 21 + 8 = 29$
[[7,2,6][0,4,5][8,3,1]] - Already visited Node!

Node Chosen for Level 20 - [[3,0,2][1,7,4][8,5,6]]

Generated Nodes :

[[3,2,0][1,7,4][8,5,6]] - $f(n) = 20 + 7 = 27$
[[0,3,2][1,7,4][8,5,6]] - $f(n) = 20 + 8 = 28$
[[3,7,2][1,0,4][8,5,6]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,2][1,4,0][8,5,6]]

Generated Nodes :

[[3,7,0][1,4,2][8,5,6]] - $f(n) = 20 + 8 = 28$
[[3,7,2][1,0,4][8,5,6]] - Already visited Node!
[[3,7,2][1,4,6][8,5,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[3,7,2][0,1,4][8,5,6]]

Generated Nodes :

[[0,7,2][3,1,4][8,5,6]] - $f(n) = 20 + 8 = 28$
[[3,7,2][1,0,4][8,5,6]] - Already visited Node!
[[3,7,2][8,1,4][0,5,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 - [[7,4,0][1,2,6][8,5,3]]

Generated Nodes :

[[7,0,4][1,2,6][8,5,3]] - Already visited Node!
[[7,4,6][1,2,0][8,5,3]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,4][1,2,6][8,5,3]]

Generated Nodes :

[[7,0,4][1,2,6][8,5,3]] - Already visited Node!
[[1,7,4][0,2,6][8,5,3]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[7,2,0][1,6,4][8,5,3]]

Generated Nodes :

[[7,0,2][1,6,4][8,5,3]] - $f(n) = 21 + 8 = 29$
[[7,2,4][1,6,0][8,5,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,4][1,6,3][8,5,0]]

Generated Nodes :

[[7,2,4][1,6,0][8,5,3]] - Already visited Node!
[[7,2,4][1,6,3][8,0,5]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[7,2,6][0,3,5][4,8,1]]

Generated Nodes :

[[0,2,6][7,3,5][4,8,1]] - $f(n) = 22 + 6 = 28$
[[7,2,6][3,0,5][4,8,1]] - Already visited Node!
[[7,2,6][4,3,5][0,8,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,6][7,0,2][3,8,1]]

Generated Nodes :

[[5,0,6][7,4,2][3,8,1]] - $f(n) = 21 + 7 = 28$
[[5,4,6][7,2,0][3,8,1]] - Already visited Node!
[[5,4,6][0,7,2][3,8,1]] - $f(n) = 21 + 7 = 28$
[[5,4,6][7,8,2][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,4,6][7,2,1][3,8,0]]

Generated Nodes :

[[5,4,6][7,2,0][3,8,1]] - Already visited Node!
[[5,4,6][7,2,1][3,0,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,2][7,6,4][3,8,1]]

Generated Nodes :

[[5,0,2][7,6,4][3,8,1]] - Already visited Node!
[[7,5,2][0,6,4][3,8,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,6,2][7,0,4][3,8,1]]

Generated Nodes :

$[5,0,2][7,6,4][3,8,1]$ - Already visited Node!
 $[5,6,2][7,4,0][3,8,1]$ - $f(n) = 21 + 7 = 28$
 $[5,6,2][0,7,4][3,8,1]$ - $f(n) = 21 + 7 = 28$
 $[5,6,2][7,8,4][3,0,1]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[5,2,4][7,6,1][0,3,8]$

Generated Nodes :

$[5,2,4][0,6,1][7,3,8]$ - $f(n) = 21 + 6 = 27$
 $[5,2,4][7,6,1][3,0,8]$ - Already visited Node!

Node Chosen for Level 21 - $[2,4,0][7,3,5][1,8,6]$

Generated Nodes :

$[2,0,4][7,3,5][1,8,6]$ - Already visited Node!
 $[2,4,5][7,3,0][1,8,6]$ - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[2,3,4][7,0,5][1,8,6]$

Generated Nodes :

$[2,0,4][7,3,5][1,8,6]$ - Already visited Node!
 $[2,3,4][7,5,0][1,8,6]$ - $f(n) = 21 + 6 = 27$
 $[2,3,4][0,7,5][1,8,6]$ - $f(n) = 21 + 7 = 28$
 $[2,3,4][7,8,5][1,0,6]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - $[7,2,4][5,1,6][3,0,8]$

Generated Nodes :

$[7,2,4][5,0,6][3,1,8]$ - Already visited Node!
 $[7,2,4][5,1,6][3,8,0]$ - $f(n) = 22 + 5 = 27$
 $[7,2,4][5,1,6][0,3,8]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[7,2,6][4,1,0][8,5,3]$

Generated Nodes :

$[7,2,0][4,1,6][8,5,3]$ - $f(n) = 22 + 5 = 27$
 $[7,2,6][4,0,1][8,5,3]$ - Already visited Node!
 $[7,2,6][4,1,3][8,5,0]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - $[8,7,0][3,5,2][4,1,6]$

Generated Nodes :

$[8,0,7][3,5,2][4,1,6]$ - $f(n) = 21 + 7 = 28$
 $[8,7,2][3,5,0][4,1,6]$ - Already visited Node!

Node Chosen for Level 20 - $[[8,0,2][3,7,1][6,5,4]]$

Generated Nodes :

$[[8,2,0][3,7,1][6,5,4]] - f(n) = 20 + 7 = 27$
 $[[0,8,2][3,7,1][6,5,4]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][3,0,1][6,5,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[8,7,2][3,1,0][6,5,4]]$

Generated Nodes :

$[[8,7,0][3,1,2][6,5,4]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][3,0,1][6,5,4]] - \text{Already visited Node!}$
 $[[8,7,2][3,1,4][6,5,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[8,7,2][0,3,1][6,5,4]]$

Generated Nodes :

$[[0,7,2][8,3,1][6,5,4]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][3,0,1][6,5,4]] - \text{Already visited Node!}$
 $[[8,7,2][6,3,1][0,5,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[3,0,2][5,7,8][1,6,4]]$

Generated Nodes :

$[[3,2,0][5,7,8][1,6,4]] - f(n) = 20 + 7 = 27$
 $[[0,3,2][5,7,8][1,6,4]] - f(n) = 20 + 8 = 28$
 $[[3,7,2][5,0,8][1,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[3,7,2][5,8,0][1,6,4]]$

Generated Nodes :

$[[3,7,0][5,8,2][1,6,4]] - f(n) = 20 + 8 = 28$
 $[[3,7,2][5,0,8][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,2][5,8,4][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[3,7,2][5,6,8][1,0,4]]$

Generated Nodes :

$[[3,7,2][5,0,8][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,2][5,6,8][1,4,0]] - f(n) = 20 + 8 = 28$
 $[[3,7,2][5,6,8][0,1,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 21 - $[[5,4,0][7,2,3][1,8,6]]$

Generated Nodes :

[[5,0,4][7,2,3][1,8,6]] - Already visited Node!
[[5,4,3][7,2,0][1,8,6]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,5,4][7,2,3][1,8,6]]

Generated Nodes :

[[5,0,4][7,2,3][1,8,6]] - Already visited Node!
[[7,5,4][0,2,3][1,8,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,2,4][7,8,3][1,6,0]]

Generated Nodes :

[[5,2,4][7,8,0][1,6,3]] - $f(n) = 21 + 7 = 28$
[[5,2,4][7,8,3][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][7,8,3][0,1,6]]

Generated Nodes :

[[5,2,4][0,8,3][7,1,6]] - $f(n) = 21 + 6 = 27$
[[5,2,4][7,8,3][1,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,4][0,3,6][8,7,1]]

Generated Nodes :

[[0,2,4][5,3,6][8,7,1]] - $f(n) = 22 + 6 = 28$
[[5,2,4][3,0,6][8,7,1]] - Already visited Node!
[[5,2,4][8,3,6][0,7,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,0][4,6,5][3,2,1]]

Generated Nodes :

[[8,0,7][4,6,5][3,2,1]] - $f(n) = 21 + 7 = 28$
[[8,7,5][4,6,0][3,2,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][4,6,1][3,2,0]]

Generated Nodes :

[[8,7,5][4,6,0][3,2,1]] - Already visited Node!
[[8,7,5][4,6,1][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][3,4,6][0,2,1]]

Generated Nodes :

[[8,7,5][0,4,6][3,2,1]] - Already visited Node!

$[[8,7,5][3,4,6][2,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[0,7,5][8,2,6][4,3,1]]$

Generated Nodes :

$[[7,0,5][8,2,6][4,3,1]] - f(n) = 21 + 7 = 28$
 $[[8,7,5][0,2,6][4,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,5][2,0,6][4,3,1]]$

Generated Nodes :

$[[8,0,5][2,7,6][4,3,1]] - f(n) = 21 + 7 = 28$
 $[[8,7,5][2,6,0][4,3,1]] - f(n) = 21 + 8 = 29$
 $[[8,7,5][0,2,6][4,3,1]] - \text{Already visited Node!}$
 $[[8,7,5][2,3,6][4,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,4,0][7,2,6][8,1,3]]$

Generated Nodes :

$[[5,0,4][7,2,6][8,1,3]] - \text{Already visited Node!}$
 $[[5,4,6][7,2,0][8,1,3]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,5,4][7,2,6][8,1,3]]$

Generated Nodes :

$[[5,0,4][7,2,6][8,1,3]] - \text{Already visited Node!}$
 $[[7,5,4][0,2,6][8,1,3]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,2,0][7,6,4][8,1,3]]$

Generated Nodes :

$[[5,0,2][7,6,4][8,1,3]] - f(n) = 21 + 8 = 29$
 $[[5,2,4][7,6,0][8,1,3]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,4][7,6,3][8,1,0]]$

Generated Nodes :

$[[5,2,4][7,6,0][8,1,3]] - \text{Already visited Node!}$
 $[[5,2,4][7,6,3][8,0,1]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 23 - $[[2,4,0][7,5,6][1,8,3]]$

Generated Nodes :

$[[2,0,4][7,5,6][1,8,3]] - \text{Already visited Node!}$
 $[[2,4,6][7,5,0][1,8,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 – [[3,0,2][5,7,6][4,8,1]]

Generated Nodes :

[[3,2,0][5,7,6][4,8,1]] – $f(n) = 22 + 5 = 27$
[[0,3,2][5,7,6][4,8,1]] – $f(n) = 22 + 6 = 28$
[[3,7,2][5,0,6][4,8,1]] – Already visited Node!

Node Chosen for Level 21 – [[2,4,0][5,1,8][7,3,6]]

Generated Nodes :

[[2,0,4][5,1,8][7,3,6]] – Already visited Node!
[[2,4,8][5,1,0][7,3,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[2,1,4][5,0,8][7,3,6]]

Generated Nodes :

[[2,0,4][5,1,8][7,3,6]] – Already visited Node!
[[2,1,4][5,8,0][7,3,6]] – $f(n) = 21 + 7 = 28$
[[2,1,4][0,5,8][7,3,6]] – $f(n) = 21 + 6 = 27$
[[2,1,4][5,3,8][7,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,4,0][1,2,8][7,3,6]]

Generated Nodes :

[[5,0,4][1,2,8][7,3,6]] – Already visited Node!
[[5,4,8][1,2,0][7,3,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,5,4][1,2,8][7,3,6]]

Generated Nodes :

[[5,0,4][1,2,8][7,3,6]] – Already visited Node!
[[1,5,4][0,2,8][7,3,6]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,1,2][3,8,4][7,6,0]]

Generated Nodes :

[[5,1,2][3,8,0][7,6,4]] – $f(n) = 21 + 7 = 28$
[[5,1,2][3,8,4][7,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[2,4,0][5,1,6][7,8,3]]

Generated Nodes :

[[2,0,4][5,1,6][7,8,3]] – Already visited Node!
[[2,4,6][5,1,0][7,8,3]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[2,1,4][5,0,6][7,8,3]]$

Generated Nodes :

$[[2,0,4][5,1,6][7,8,3]]$ - Already visited Node!
 $[[2,1,4][5,6,0][7,8,3]]$ - $f(n) = 23 + 6 = 29$
 $[[2,1,4][0,5,6][7,8,3]]$ - $f(n) = 23 + 4 = 27$
 $[[2,1,4][5,8,6][7,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,4,0][1,2,6][7,8,3]]$

Generated Nodes :

$[[5,0,4][1,2,6][7,8,3]]$ - Already visited Node!
 $[[5,4,6][1,2,0][7,8,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,5,4][1,2,6][7,8,3]]$

Generated Nodes :

$[[5,0,4][1,2,6][7,8,3]]$ - Already visited Node!
 $[[1,5,4][0,2,6][7,8,3]]$ - $f(n) = 23 + 4 = 27$

Node Chosen for Level 23 - $[[5,2,0][1,6,4][7,8,3]]$

Generated Nodes :

$[[5,0,2][1,6,4][7,8,3]]$ - $f(n) = 23 + 6 = 29$
 $[[5,2,4][1,6,0][7,8,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,4][1,6,3][7,8,0]]$

Generated Nodes :

$[[5,2,4][1,6,0][7,8,3]]$ - Already visited Node!
 $[[5,2,4][1,6,3][7,0,8]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[4,7,2][1,5,6][0,8,3]]$

Generated Nodes :

$[[4,7,2][0,5,6][1,8,3]]$ - Already visited Node!
 $[[4,7,2][1,5,6][8,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[7,2,1][0,3,5][6,8,4]]$

Generated Nodes :

$[[0,2,1][7,3,5][6,8,4]]$ - $f(n) = 22 + 6 = 28$
 $[[7,2,1][3,0,5][6,8,4]]$ - Already visited Node!
 $[[7,2,1][6,3,5][0,8,4]]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 – [[8,2,6][5,0,7][3,4,1]]

Generated Nodes :

[[8,0,6][5,2,7][3,4,1]] – $f(n) = 21 + 8 = 29$
[[8,2,6][5,7,0][3,4,1]] – Already visited Node!
[[8,2,6][0,5,7][3,4,1]] – $f(n) = 21 + 6 = 27$
[[8,2,6][5,4,7][3,0,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[8,2,6][5,7,1][3,4,0]]

Generated Nodes :

[[8,2,6][5,7,0][3,4,1]] – Already visited Node!
[[8,2,6][5,7,1][3,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[3,7,2][5,0,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] – $f(n) = 21 + 7 = 28$
[[3,7,2][5,6,0][1,4,8]] – $f(n) = 21 + 8 = 29$
[[3,7,2][0,5,6][1,4,8]] – Already visited Node!
[[3,7,2][5,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[3,7,2][5,4,6][0,1,8]]

Generated Nodes :

[[3,7,2][0,4,6][5,1,8]] – $f(n) = 21 + 7 = 28$
[[3,7,2][5,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,2][7,6,1][4,8,3]]

Generated Nodes :

[[5,0,2][7,6,1][4,8,3]] – $f(n) = 21 + 7 = 28$
[[7,5,2][0,6,1][4,8,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][6,0,1][4,8,3]]

Generated Nodes :

[[7,0,2][6,5,1][4,8,3]] – $f(n) = 21 + 6 = 27$
[[7,5,2][6,1,0][4,8,3]] – $f(n) = 21 + 7 = 28$
[[7,5,2][0,6,1][4,8,3]] – Already visited Node!
[[7,5,2][6,8,1][4,0,3]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,5,0][4,6,2][3,1,8]]

Generated Nodes :

[[7,0,5][4,6,2][3,1,8]] - $f(n) = 21 + 7 = 28$
[[7,5,2][4,6,0][3,1,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][4,6,8][3,1,0]]

Generated Nodes :

[[7,5,2][4,6,0][3,1,8]] - Already visited Node!
[[7,5,2][4,6,8][3,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 23 - [[0,2,6][7,5,1][4,8,3]]

Generated Nodes :

[[2,0,6][7,5,1][4,8,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][0,5,1][4,8,3]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,5][4,8,2][1,6,0]]

Generated Nodes :

[[3,7,5][4,8,0][1,6,2]] - $f(n) = 21 + 7 = 28$
[[3,7,5][4,8,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,5][4,8,2][0,1,6]]

Generated Nodes :

[[3,7,5][0,8,2][4,1,6]] - $f(n) = 21 + 8 = 29$
[[3,7,5][4,8,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][3,0,6][1,2,8]]

Generated Nodes :

[[7,0,5][3,4,6][1,2,8]] - $f(n) = 21 + 7 = 28$
[[7,4,5][3,6,0][1,2,8]] - $f(n) = 21 + 8 = 29$
[[7,4,5][0,3,6][1,2,8]] - $f(n) = 21 + 7 = 28$
[[7,4,5][3,2,6][1,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][3,2,6][0,1,8]]

Generated Nodes :

[[7,4,5][0,2,6][3,1,8]] - $f(n) = 21 + 7 = 28$
[[7,4,5][3,2,6][1,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][7,0,6][1,4,8]]

Generated Nodes :

$[5,0,2][7,3,6][1,4,8]$ - Already visited Node!
 $[5,3,2][7,6,0][1,4,8]$ - $f(n) = 21 + 8 = 29$
 $[5,3,2][0,7,6][1,4,8]$ - $f(n) = 21 + 7 = 28$
 $[5,3,2][7,4,6][1,0,8]$ - Already visited Node!

Node Chosen for Level 21 - $[5,3,2][7,4,6][0,1,8]$

Generated Nodes :

$[5,3,2][0,4,6][7,1,8]$ - $f(n) = 21 + 6 = 27$
 $[5,3,2][7,4,6][1,0,8]$ - Already visited Node!

Node Chosen for Level 21 - $[0,2,7][8,4,5][3,1,6]$

Generated Nodes :

$[2,0,7][8,4,5][3,1,6]$ - $f(n) = 21 + 8 = 29$
 $[8,2,7][0,4,5][3,1,6]$ - Already visited Node!

Node Chosen for Level 21 - $[8,2,7][3,4,5][0,1,6]$

Generated Nodes :

$[8,2,7][0,4,5][3,1,6]$ - Already visited Node!
 $[8,2,7][3,4,5][1,0,6]$ - $f(n) = 21 + 7 = 28$

Node Chosen for Level 23 - $[3,7,2][4,5,6][8,1,0]$

Generated Nodes :

$[3,7,2][4,5,0][8,1,6]$ - $f(n) = 23 + 6 = 29$
 $[3,7,2][4,5,6][8,0,1]$ - Already visited Node!

Node Chosen for Level 21 - $[7,4,5][3,0,6][1,2,8]$

Generated Nodes :

$[7,0,5][3,4,6][1,2,8]$ - $f(n) = 21 + 7 = 28$
 $[7,4,5][3,6,0][1,2,8]$ - $f(n) = 21 + 8 = 29$
 $[7,4,5][0,3,6][1,2,8]$ - $f(n) = 21 + 7 = 28$
 $[7,4,5][3,2,6][1,0,8]$ - Already visited Node!

Node Chosen for Level 21 - $[7,4,5][3,2,6][0,1,8]$

Generated Nodes :

$[7,4,5][0,2,6][3,1,8]$ - $f(n) = 21 + 7 = 28$
 $[7,4,5][3,2,6][1,0,8]$ - Already visited Node!

Node Chosen for Level 22 - $[1,0,2][5,7,6][8,4,3]$

Generated Nodes :

[[1,2,0][5,7,6][8,4,3]] - $f(n) = 22 + 5 = 27$
[[0,1,2][5,7,6][8,4,3]] - $f(n) = 22 + 7 = 29$
[[1,7,2][5,0,6][8,4,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][4,0,8][7,3,1]]

Generated Nodes :

[[5,0,6][4,2,8][7,3,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][4,8,0][7,3,1]] - Already visited Node!
[[5,2,6][0,4,8][7,3,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][4,3,8][7,0,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[5,2,6][4,8,1][7,3,0]]

Generated Nodes :

[[5,2,6][4,8,0][7,3,1]] - Already visited Node!
[[5,2,6][4,8,1][7,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[7,2,6][4,5,8][3,1,0]]

Generated Nodes :

[[7,2,6][4,5,0][3,1,8]] - Already visited Node!
[[7,2,6][4,5,8][3,0,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - [[7,2,3][0,1,5][8,6,4]]

Generated Nodes :

[[0,2,3][7,1,5][8,6,4]] - $f(n) = 22 + 6 = 28$
[[7,2,3][1,0,5][8,6,4]] - Already visited Node!
[[7,2,3][8,1,5][0,6,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,2,3][1,6,5][8,0,4]]

Generated Nodes :

[[7,2,3][1,0,5][8,6,4]] - Already visited Node!
[[7,2,3][1,6,5][8,4,0]] - $f(n) = 22 + 6 = 28$
[[7,2,3][1,6,5][0,8,4]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 23 - [[5,1,0][4,6,2][7,8,3]]

Generated Nodes :

[[5,0,1][4,6,2][7,8,3]] - $f(n) = 23 + 5 = 28$
[[5,1,2][4,6,0][7,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,1,2][4,6,3][7,8,0]]

Generated Nodes :

[[5,1,2][4,6,0][7,8,3]] - Already visited Node!
[[5,1,2][4,6,3][7,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,1,2][4,8,6][7,3,0]]

Generated Nodes :

[[5,1,2][4,8,0][7,3,6]] - $f(n) = 23 + 6 = 29$
[[5,1,2][4,8,6][7,0,3]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,6][0,2,5][3,4,1]]

Generated Nodes :

[[0,7,6][8,2,5][3,4,1]] - Already visited Node!
[[8,7,6][2,0,5][3,4,1]] - $f(n) = 20 + 8 = 28$
[[8,7,6][3,2,5][0,4,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,7][5,6,2][3,4,1]]

Generated Nodes :

[[8,7,0][5,6,2][3,4,1]] - Already visited Node!
[[0,8,7][5,6,2][3,4,1]] - $f(n) = 20 + 8 = 28$
[[8,6,7][5,0,2][3,4,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[3,7,2][5,8,0][1,6,4]]

Generated Nodes :

[[3,7,0][5,8,2][1,6,4]] - $f(n) = 20 + 8 = 28$
[[3,7,2][5,0,8][1,6,4]] - Already visited Node!
[[3,7,2][5,8,4][1,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,2][0,8,4][5,1,6]]

Generated Nodes :

[[0,7,2][3,8,4][5,1,6]] - $f(n) = 20 + 8 = 28$
[[3,7,2][8,0,4][5,1,6]] - $f(n) = 20 + 8 = 28$
[[3,7,2][5,8,4][0,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,1][0,2,5][3,6,4]]

Generated Nodes :

[[0,7,1][8,2,5][3,6,4]] - Already visited Node!
[[8,7,1][2,0,5][3,6,4]] - $f(n) = 20 + 8 = 28$
[[8,7,1][3,2,5][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 – [[4,7,2][5,3,6][8,1,0]]

Generated Nodes :

[[4,7,2][5,3,0][8,1,6]] – $f(n) = 21 + 8 = 29$
[[4,7,2][5,3,6][8,0,1]] – Already visited Node!

Node Chosen for Level 20 – [[7,0,5][3,6,2][1,4,8]]

Generated Nodes :

[[7,5,0][3,6,2][1,4,8]] – Already visited Node!
[[0,7,5][3,6,2][1,4,8]] – $f(n) = 20 + 8 = 28$
[[7,6,5][3,0,2][1,4,8]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 – [[7,2,6][8,1,4][3,5,0]]

Generated Nodes :

[[7,2,6][8,1,0][3,5,4]] – Already visited Node!
[[7,2,6][8,1,4][3,0,5]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,2,6][7,8,1][3,5,4]]

Generated Nodes :

[[2,0,6][7,8,1][3,5,4]] – $f(n) = 21 + 8 = 29$
[[7,2,6][0,8,1][3,5,4]] – Already visited Node!

Node Chosen for Level 21 – [[7,2,6][3,8,1][0,5,4]]

Generated Nodes :

[[7,2,6][0,8,1][3,5,4]] – Already visited Node!
[[7,2,6][3,8,1][5,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 – [[5,0,8][7,6,2][3,4,1]]

Generated Nodes :

[[5,8,0][7,6,2][3,4,1]] – Already visited Node!
[[0,5,8][7,6,2][3,4,1]] – $f(n) = 20 + 8 = 28$
[[5,6,8][7,0,2][3,4,1]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[7,0,5][3,8,2][4,1,6]]

Generated Nodes :

[[7,5,0][3,8,2][4,1,6]] – Already visited Node!
[[0,7,5][3,8,2][4,1,6]] – $f(n) = 20 + 8 = 28$
[[7,8,5][3,0,2][4,1,6]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][0,3,8][4,1,6]]$

Generated Nodes :

$[[0,5,2][7,3,8][4,1,6]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][3,0,8][4,1,6]] - \text{Already visited Node!}$
 $[[7,5,2][4,3,8][0,1,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[7,5,2][3,1,8][4,0,6]]$

Generated Nodes :

$[[7,5,2][3,0,8][4,1,6]] - \text{Already visited Node!}$
 $[[7,5,2][3,1,8][4,6,0]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][3,1,8][0,4,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,4][7,6,2][8,3,1]]$

Generated Nodes :

$[[5,4,0][7,6,2][8,3,1]] - \text{Already visited Node!}$
 $[[0,5,4][7,6,2][8,3,1]] - f(n) = 20 + 8 = 28$
 $[[5,6,4][7,0,2][8,3,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,4,2][7,6,1][8,0,3]]$

Generated Nodes :

$[[5,4,2][7,0,1][8,6,3]] - f(n) = 20 + 8 = 28$
 $[[5,4,2][7,6,1][8,3,0]] - \text{Already visited Node!}$
 $[[5,4,2][7,6,1][0,8,3]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[2,4,8][5,7,0][3,1,6]]$

Generated Nodes :

$[[2,4,0][5,7,8][3,1,6]] - \text{Already visited Node!}$
 $[[2,4,8][5,0,7][3,1,6]] - f(n) = 20 + 8 = 28$
 $[[2,4,8][5,7,6][3,1,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[2,7,4][5,8,0][3,1,6]]$

Generated Nodes :

$[[2,7,0][5,8,4][3,1,6]] - f(n) = 20 + 8 = 28$
 $[[2,7,4][5,0,8][3,1,6]] - \text{Already visited Node!}$
 $[[2,7,4][5,8,6][3,1,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[2,7,4][5,1,8][3,0,6]]$

Generated Nodes :

```

-----
[[2,7,4][5,0,8][3,1,6]] - Already visited Node!
[[2,7,4][5,1,8][3,6,0]] - f(n) = 20 + 8 = 28
[[2,7,4][5,1,8][0,3,6]] - f(n) = 20 + 8 = 28
-----
Node Chosen for Level 20 - [[5,3,2][7,8,0][1,6,4]]

Generated Nodes :
-----
[[5,3,0][7,8,2][1,6,4]] - f(n) = 20 + 8 = 28
[[5,3,2][7,0,8][1,6,4]] - Already visited Node!
[[5,3,2][7,8,4][1,6,0]] - Already visited Node!
-----
Node Chosen for Level 21 - [[0,8,2][3,7,6][4,5,1]]

Generated Nodes :
-----
[[8,0,2][3,7,6][4,5,1]] - Already visited Node!
[[3,8,2][0,7,6][4,5,1]] - f(n) = 21 + 7 = 28
-----
Node Chosen for Level 21 - [[0,7,2][8,3,6][4,5,1]]

Generated Nodes :
-----
[[7,0,2][8,3,6][4,5,1]] - f(n) = 21 + 7 = 28
[[8,7,2][0,3,6][4,5,1]] - Already visited Node!
-----
Node Chosen for Level 21 - [[7,2,0][8,4,1][3,5,6]]

Generated Nodes :
-----
[[7,0,2][8,4,1][3,5,6]] - f(n) = 21 + 8 = 29
[[7,2,1][8,4,0][3,5,6]] - Already visited Node!
-----
Node Chosen for Level 21 - [[0,2,1][7,8,4][3,5,6]]

Generated Nodes :
-----
[[2,0,1][7,8,4][3,5,6]] - f(n) = 21 + 8 = 29
[[7,2,1][0,8,4][3,5,6]] - Already visited Node!
-----
Node Chosen for Level 21 - [[7,2,1][3,8,4][0,5,6]]

Generated Nodes :
-----
[[7,2,1][0,8,4][3,5,6]] - Already visited Node!
[[7,2,1][3,8,4][5,0,6]] - f(n) = 21 + 7 = 28
-----
Node Chosen for Level 20 - [[4,8,5][3,7,2][1,0,6]]

Generated Nodes :
-----

```

$[[4,8,5][3,0,2][1,7,6]] - f(n) = 20 + 8 = 28$
 $[[4,8,5][3,7,2][1,6,0]] - f(n) = 20 + 8 = 28$
 $[[4,8,5][3,7,2][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,5][8,1,2][4,3,6]]$

Generated Nodes :

$[[7,5,0][8,1,2][4,3,6]] - f(n) = 20 + 8 = 28$
 $[[0,7,5][8,1,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][8,0,2][4,3,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[8,0,5][1,7,2][4,3,6]]$

Generated Nodes :

$[[8,5,0][1,7,2][4,3,6]] - f(n) = 20 + 8 = 28$
 $[[0,8,5][1,7,2][4,3,6]] - f(n) = 20 + 8 = 28$
 $[[8,7,5][1,0,2][4,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[8,7,5][1,2,0][4,3,6]]$

Generated Nodes :

$[[8,7,0][1,2,5][4,3,6]] - f(n) = 20 + 8 = 28$
 $[[8,7,5][1,0,2][4,3,6]] - \text{Already visited Node!}$
 $[[8,7,5][1,2,6][4,3,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[8,7,5][1,3,2][4,0,6]]$

Generated Nodes :

$[[8,7,5][1,0,2][4,3,6]] - \text{Already visited Node!}$
 $[[8,7,5][1,3,2][4,6,0]] - f(n) = 20 + 8 = 28$
 $[[8,7,5][1,3,2][0,4,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,4][8,6,5][3,2,1]]$

Generated Nodes :

$[[7,4,0][8,6,5][3,2,1]] - \text{Already visited Node!}$
 $[[0,7,4][8,6,5][3,2,1]] - f(n) = 20 + 8 = 28$
 $[[7,6,4][8,0,5][3,2,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,8][7,6,2][3,4,1]]$

Generated Nodes :

$[[5,8,0][7,6,2][3,4,1]] - \text{Already visited Node!}$
 $[[0,5,8][7,6,2][3,4,1]] - f(n) = 20 + 8 = 28$
 $[[5,6,8][7,0,2][3,4,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[5,4,1][7,2,0][8,3,6]]

Generated Nodes :

[[5,4,0][7,2,1][8,3,6]] – Already visited Node!
[[5,4,1][7,0,2][8,3,6]] – Already visited Node!
[[5,4,1][7,2,6][8,3,0]] – $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 – [[7,5,4][0,2,1][8,3,6]]

Generated Nodes :

[[0,5,4][7,2,1][8,3,6]] – Already visited Node!
[[7,5,4][2,0,1][8,3,6]] – $f(n) = 20 + 8 = 28$
[[7,5,4][8,2,1][0,3,6]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[7,0,5][1,6,2][8,4,3]]

Generated Nodes :

[[7,5,0][1,6,2][8,4,3]] – Already visited Node!
[[0,7,5][1,6,2][8,4,3]] – $f(n) = 20 + 8 = 28$
[[7,6,5][1,0,2][8,4,3]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 21 – [[1,7,0][8,4,2][3,5,6]]

Generated Nodes :

[[1,0,7][8,4,2][3,5,6]] – $f(n) = 21 + 7 = 28$
[[1,7,2][8,4,0][3,5,6]] – Already visited Node!

Node Chosen for Level 21 – [[1,7,2][3,8,4][0,5,6]]

Generated Nodes :

[[1,7,2][0,8,4][3,5,6]] – Already visited Node!
[[1,7,2][3,8,4][5,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 – [[5,2,4][0,3,6][8,7,1]]

Generated Nodes :

[[0,2,4][5,3,6][8,7,1]] – $f(n) = 22 + 6 = 28$
[[5,2,4][3,0,6][8,7,1]] – Already visited Node!
[[5,2,4][8,3,6][0,7,1]] – Already visited Node!

Node Chosen for Level 22 – [[2,8,4][5,3,6][7,0,1]]

Generated Nodes :

[[2,8,4][5,0,6][7,3,1]] – Already visited Node!
[[2,8,4][5,3,6][7,1,0]] – $f(n) = 22 + 6 = 28$

$[[2,8,4][5,3,6][0,7,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,5,4][0,2,6][7,3,1]]$

Generated Nodes :

$[[0,5,4][8,2,6][7,3,1]] - \text{Already visited Node!}$

$[[8,5,4][2,0,6][7,3,1]] - f(n) = 22 + 6 = 28$

$[[8,5,4][7,2,6][0,3,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,2,4][8,6,1][7,0,3]]$

Generated Nodes :

$[[5,2,4][8,0,1][7,6,3]] - f(n) = 22 + 6 = 28$

$[[5,2,4][8,6,1][7,3,0]] - \text{Already visited Node!}$

$[[5,2,4][8,6,1][0,7,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - $[[0,2,8][7,3,5][1,6,4]]$

Generated Nodes :

$[[2,0,8][7,3,5][1,6,4]] - f(n) = 21 + 8 = 29$

$[[7,2,8][0,3,5][1,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,2,8][1,3,5][0,6,4]]$

Generated Nodes :

$[[7,2,8][0,3,5][1,6,4]] - \text{Already visited Node!}$

$[[7,2,8][1,3,5][6,0,4]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[7,2,8][3,6,5][1,4,0]]$

Generated Nodes :

$[[7,2,8][3,6,0][1,4,5]] - f(n) = 21 + 7 = 28$

$[[7,2,8][3,6,5][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,2,8][3,6,5][0,1,4]]$

Generated Nodes :

$[[7,2,8][0,6,5][3,1,4]] - f(n) = 21 + 7 = 28$

$[[7,2,8][3,6,5][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,4][0,7,6][1,3,8]]$

Generated Nodes :

$[[0,2,4][5,7,6][1,3,8]] - f(n) = 22 + 6 = 28$

$[[5,2,4][7,0,6][1,3,8]] - \text{Already visited Node!}$

$[[5,2,4][1,7,6][0,3,8]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[7,0,5][4,6,2][1,8,3]]$

Generated Nodes :

$[[7,5,0][4,6,2][1,8,3]] - \text{Already visited Node!}$

$[[0,7,5][4,6,2][1,8,3]] - f(n) = 22 + 6 = 28$

$[[7,6,5][4,0,2][1,8,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[7,2,6][3,5,8][1,0,4]]$

Generated Nodes :

$[[7,2,6][3,0,8][1,5,4]] - f(n) = 22 + 7 = 29$

$[[7,2,6][3,5,8][1,4,0]] - \text{Already visited Node!}$

$[[7,2,6][3,5,8][0,1,4]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,0,8][4,6,2][7,3,1]]$

Generated Nodes :

$[[5,8,0][4,6,2][7,3,1]] - \text{Already visited Node!}$

$[[0,5,8][4,6,2][7,3,1]] - f(n) = 22 + 6 = 28$

$[[5,6,8][4,0,2][7,3,1]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,8,2][4,6,1][7,0,3]]$

Generated Nodes :

$[[5,8,2][4,0,1][7,6,3]] - f(n) = 22 + 6 = 28$

$[[5,8,2][4,6,1][7,3,0]] - \text{Already visited Node!}$

$[[5,8,2][4,6,1][0,7,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,6][1,5,3][8,0,4]]$

Generated Nodes :

$[[7,2,6][1,0,3][8,5,4]] - f(n) = 22 + 7 = 29$

$[[7,2,6][1,5,3][8,4,0]] - \text{Already visited Node!}$

$[[7,2,6][1,5,3][0,8,4]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 21 - $[[3,7,4][2,0,5][1,8,6]]$

Generated Nodes :

$[[3,0,4][2,7,5][1,8,6]] - f(n) = 21 + 7 = 28$

$[[3,7,4][2,5,0][1,8,6]] - f(n) = 21 + 6 = 27$

$[[3,7,4][0,2,5][1,8,6]] - \text{Already visited Node!}$

$[[3,7,4][2,8,5][1,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[3,7,4][1,2,5][0,8,6]]$

Generated Nodes :

[[3,7,4][0,2,5][1,8,6]] - Already visited Node!
[[3,7,4][1,2,5][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,2,0][3,8,4][1,6,5]]

Generated Nodes :

[[7,0,2][3,8,4][1,6,5]] - $f(n) = 21 + 8 = 29$
[[7,2,4][3,8,0][1,6,5]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,4][3,0,8][1,6,5]]

Generated Nodes :

[[7,0,4][3,2,8][1,6,5]] - $f(n) = 21 + 8 = 29$
[[7,2,4][3,8,0][1,6,5]] - Already visited Node!
[[7,2,4][0,3,8][1,6,5]] - $f(n) = 21 + 7 = 28$
[[7,2,4][3,6,8][1,0,5]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,2,4][7,8,5][3,1,6]]

Generated Nodes :

[[2,0,4][7,8,5][3,1,6]] - $f(n) = 21 + 8 = 29$
[[7,2,4][0,8,5][3,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,4][1,3,6][5,0,8]]

Generated Nodes :

[[7,2,4][1,0,6][5,3,8]] - $f(n) = 22 + 6 = 28$
[[7,2,4][1,3,6][5,8,0]] - $f(n) = 22 + 5 = 27$
[[7,2,4][1,3,6][0,5,8]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,6][4,3,0][8,1,5]]

Generated Nodes :

[[7,2,0][4,3,6][8,1,5]] - $f(n) = 22 + 5 = 27$
[[7,2,6][4,0,3][8,1,5]] - $f(n) = 22 + 6 = 28$
[[7,2,6][4,3,5][8,1,0]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,0][1,5,2][8,6,4]]

Generated Nodes :

[[3,0,7][1,5,2][8,6,4]] - $f(n) = 21 + 7 = 28$
[[3,7,2][1,5,0][8,6,4]] - Already visited Node!

Node Chosen for Level 20 – [[8,0,7][5,1,2][3,6,4]]

Generated Nodes :

[[8,7,0][5,1,2][3,6,4]] – Already visited Node!
[[0,8,7][5,1,2][3,6,4]] – $f(n) = 20 + 8 = 28$
[[8,1,7][5,0,2][3,6,4]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[8,7,2][0,6,1][5,3,4]]

Generated Nodes :

[[0,7,2][8,6,1][5,3,4]] – $f(n) = 20 + 8 = 28$
[[8,7,2][6,0,1][5,3,4]] – $f(n) = 20 + 8 = 28$
[[8,7,2][5,6,1][0,3,4]] – Already visited Node!

Node Chosen for Level 21 – [[0,7,5][4,3,2][8,1,6]]

Generated Nodes :

[[7,0,5][4,3,2][8,1,6]] – Already visited Node!
[[4,7,5][0,3,2][8,1,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,3,5][4,0,2][8,1,6]]

Generated Nodes :

[[7,0,5][4,3,2][8,1,6]] – Already visited Node!
[[7,3,5][4,2,0][8,1,6]] – $f(n) = 21 + 7 = 28$
[[7,3,5][0,4,2][8,1,6]] – $f(n) = 21 + 8 = 29$
[[7,3,5][4,1,2][8,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,5,2][4,1,3][8,6,0]]

Generated Nodes :

[[7,5,2][4,1,0][8,6,3]] – Already visited Node!
[[7,5,2][4,1,3][8,0,6]] – Already visited Node!

Node Chosen for Level 22 – [[7,2,4][8,1,6][5,0,3]]

Generated Nodes :

[[7,2,4][8,0,6][5,1,3]] – $f(n) = 22 + 6 = 28$
[[7,2,4][8,1,6][5,3,0]] – $f(n) = 22 + 6 = 28$
[[7,2,4][8,1,6][0,5,3]] – Already visited Node!

Node Chosen for Level 21 – [[0,2,6][5,7,8][3,4,1]]

Generated Nodes :

[[2,0,6][5,7,8][3,4,1]] – $f(n) = 21 + 8 = 29$

[[5,2,6][0,7,8][3,4,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][3,7,8][0,4,1]]

Generated Nodes :

[[5,2,6][0,7,8][3,4,1]] - Already visited Node!

[[5,2,6][3,7,8][4,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,2,6][7,4,8][3,1,0]]

Generated Nodes :

[[5,2,6][7,4,0][3,1,8]] - $f(n) = 21 + 7 = 28$

[[5,2,6][7,4,8][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][7,4,8][0,3,1]]

Generated Nodes :

[[5,2,6][0,4,8][7,3,1]] - $f(n) = 21 + 6 = 27$

[[5,2,6][7,4,8][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,6][7,8,1][0,3,4]]

Generated Nodes :

[[5,2,6][0,8,1][7,3,4]] - $f(n) = 21 + 6 = 27$

[[5,2,6][7,8,1][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,5][3,6,2][4,8,1]]

Generated Nodes :

[[7,0,5][3,6,2][4,8,1]] - Already visited Node!

[[3,7,5][0,6,2][4,8,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,6,5][3,0,2][4,8,1]]

Generated Nodes :

[[7,0,5][3,6,2][4,8,1]] - Already visited Node!

[[7,6,5][3,2,0][4,8,1]] - $f(n) = 21 + 7 = 28$

[[7,6,5][0,3,2][4,8,1]] - $f(n) = 21 + 7 = 28$

[[7,6,5][3,8,2][4,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,2,6][5,7,4][8,3,1]]

Generated Nodes :

[[2,0,6][5,7,4][8,3,1]] - $f(n) = 21 + 8 = 29$

[[5,2,6][0,7,4][8,3,1]] - Already visited Node!

Node Chosen for Level 21 – [[5,2,6][8,7,4][0,3,1]]

Generated Nodes :

[[5,2,6][0,7,4][8,3,1]] – Already visited Node!
[[5,2,6][8,7,4][3,0,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,2,6][7,3,4][8,1,0]]

Generated Nodes :

[[5,2,6][7,3,0][8,1,4]] – $f(n) = 21 + 7 = 28$
[[5,2,6][7,3,4][8,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[5,2,6][7,0,1][8,4,3]]

Generated Nodes :

[[5,0,6][7,2,1][8,4,3]] – $f(n) = 21 + 8 = 29$
[[5,2,6][7,1,0][8,4,3]] – $f(n) = 21 + 7 = 28$
[[5,2,6][0,7,1][8,4,3]] – $f(n) = 21 + 7 = 28$
[[5,2,6][7,4,1][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,2,6][3,8,5][4,1,0]]

Generated Nodes :

[[7,2,6][3,8,0][4,1,5]] – $f(n) = 21 + 7 = 28$
[[7,2,6][3,8,5][4,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,2,6][8,0,4][3,1,5]]

Generated Nodes :

[[7,0,6][8,2,4][3,1,5]] – $f(n) = 21 + 8 = 29$
[[7,2,6][8,4,0][3,1,5]] – Already visited Node!
[[7,2,6][0,8,4][3,1,5]] – $f(n) = 21 + 7 = 28$
[[7,2,6][8,1,4][3,0,5]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,2,6][7,4,5][8,3,1]]

Generated Nodes :

[[2,0,6][7,4,5][8,3,1]] – $f(n) = 21 + 8 = 29$
[[7,2,6][0,4,5][8,3,1]] – Already visited Node!

Node Chosen for Level 20 – [[7,5,4][2,8,0][3,1,6]]

Generated Nodes :

[[7,5,0][2,8,4][3,1,6]] – $f(n) = 20 + 8 = 28$

[[7,5,4][2,0,8][3,1,6]] - Already visited Node!
[[7,5,4][2,8,6][3,1,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,5,4][2,1,8][3,0,6]]

Generated Nodes :

[[7,5,4][2,0,8][3,1,6]] - Already visited Node!
[[7,5,4][2,1,8][3,6,0]] - $f(n) = 20 + 8 = 28$
[[7,5,4][2,1,8][0,3,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,5,4][3,2,8][1,0,6]]

Generated Nodes :

[[7,5,4][3,0,8][1,2,6]] - $f(n) = 20 + 8 = 28$
[[7,5,4][3,2,8][1,6,0]] - $f(n) = 20 + 8 = 28$
[[7,5,4][3,2,8][0,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,2][8,4,6][5,3,1]]

Generated Nodes :

[[7,0,2][8,4,6][5,3,1]] - $f(n) = 21 + 7 = 28$
[[8,7,2][0,4,6][5,3,1]] - Already visited Node!

Node Chosen for Level 21 - [[0,3,7][5,4,2][1,8,6]]

Generated Nodes :

[[3,0,7][5,4,2][1,8,6]] - Already visited Node!
[[5,3,7][0,4,2][1,8,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,4,7][5,0,2][1,8,6]]

Generated Nodes :

[[3,0,7][5,4,2][1,8,6]] - Already visited Node!
[[3,4,7][5,2,0][1,8,6]] - $f(n) = 21 + 7 = 28$
[[3,4,7][0,5,2][1,8,6]] - $f(n) = 21 + 6 = 27$
[[3,4,7][5,8,2][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,2,1][3,8,5][6,4,0]]

Generated Nodes :

[[7,2,1][3,8,0][6,4,5]] - $f(n) = 21 + 7 = 28$
[[7,2,1][3,8,5][6,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][8,6,1][3,4,5]]

Generated Nodes :

[[7,0,2][8,6,1][3,4,5]] - $f(n) = 21 + 8 = 29$
[[7,2,1][8,6,0][3,4,5]] - Already visited Node!

Node Chosen for Level 21 - [[0,2,1][7,6,5][8,3,4]]

Generated Nodes :

[[2,0,1][7,6,5][8,3,4]] - $f(n) = 21 + 8 = 29$
[[7,2,1][0,6,5][8,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,1][6,0,5][8,3,4]]

Generated Nodes :

[[7,0,1][6,2,5][8,3,4]] - $f(n) = 21 + 8 = 29$
[[7,2,1][6,5,0][8,3,4]] - Already visited Node!
[[7,2,1][0,6,5][8,3,4]] - Already visited Node!
[[7,2,1][6,3,5][8,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,2,4][8,1,5][3,6,0]]

Generated Nodes :

[[7,2,4][8,1,0][3,6,5]] - $f(n) = 21 + 7 = 28$
[[7,2,4][8,1,5][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,0][1,3,4][8,6,5]]

Generated Nodes :

[[7,0,2][1,3,4][8,6,5]] - $f(n) = 21 + 8 = 29$
[[7,2,4][1,3,0][8,6,5]] - Already visited Node!

Node Chosen for Level 21 - [[7,2,4][1,0,3][8,6,5]]

Generated Nodes :

[[7,0,4][1,2,3][8,6,5]] - $f(n) = 21 + 8 = 29$
[[7,2,4][1,3,0][8,6,5]] - Already visited Node!
[[7,2,4][0,1,3][8,6,5]] - $f(n) = 21 + 7 = 28$
[[7,2,4][1,6,3][8,0,5]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,4,7][5,0,2][8,3,6]]

Generated Nodes :

[[1,0,7][5,4,2][8,3,6]] - Already visited Node!
[[1,4,7][5,2,0][8,3,6]] - $f(n) = 21 + 7 = 28$
[[1,4,7][0,5,2][8,3,6]] - $f(n) = 21 + 6 = 27$
[[1,4,7][5,3,2][8,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[1,7,0][5,3,2][8,6,4]]

Generated Nodes :

[[1,0,7][5,3,2][8,6,4]] – $f(n) = 21 + 7 = 28$
[[1,7,2][5,3,0][8,6,4]] – Already visited Node!

Node Chosen for Level 21 – [[1,7,2][5,0,3][8,6,4]]

Generated Nodes :

[[1,0,2][5,7,3][8,6,4]] – $f(n) = 21 + 7 = 28$
[[1,7,2][5,3,0][8,6,4]] – Already visited Node!
[[1,7,2][0,5,3][8,6,4]] – Already visited Node!
[[1,7,2][5,6,3][8,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 – [[5,3,2][0,7,6][4,8,1]]

Generated Nodes :

[[0,3,2][5,7,6][4,8,1]] – $f(n) = 22 + 6 = 28$
[[5,3,2][7,0,6][4,8,1]] – Already visited Node!
[[5,3,2][4,7,6][0,8,1]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 21 – [[7,6,0][4,2,5][8,3,1]]

Generated Nodes :

[[7,0,6][4,2,5][8,3,1]] – Already visited Node!
[[7,6,5][4,2,0][8,3,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,6,5][4,2,1][8,3,0]]

Generated Nodes :

[[7,6,5][4,2,0][8,3,1]] – Already visited Node!
[[7,6,5][4,2,1][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,6,5][4,3,2][8,1,0]]

Generated Nodes :

[[7,6,5][4,3,0][8,1,2]] – $f(n) = 21 + 7 = 28$
[[7,6,5][4,3,2][8,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,0][4,1,2][8,6,3]]

Generated Nodes :

[[7,0,5][4,1,2][8,6,3]] – $f(n) = 21 + 7 = 28$
[[7,5,2][4,1,0][8,6,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][4,1,3][8,6,0]]

Generated Nodes :

[[7,5,2][4,1,0][8,6,3]] – Already visited Node!
[[7,5,2][4,1,3][8,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,3,2][7,0,6][1,4,8]]

Generated Nodes :

[[5,0,2][7,3,6][1,4,8]] – Already visited Node!
[[5,3,2][7,6,0][1,4,8]] – $f(n) = 21 + 8 = 29$
[[5,3,2][0,7,6][1,4,8]] – $f(n) = 21 + 7 = 28$
[[5,3,2][7,4,6][1,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][1,0,6][4,3,8]]

Generated Nodes :

[[7,0,2][1,5,6][4,3,8]] – $f(n) = 21 + 6 = 27$
[[7,5,2][1,6,0][4,3,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][0,1,6][4,3,8]] – $f(n) = 21 + 7 = 28$
[[7,5,2][1,3,6][4,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[5,4,2][7,0,6][3,1,8]]

Generated Nodes :

[[5,0,2][7,4,6][3,1,8]] – Already visited Node!
[[5,4,2][7,6,0][3,1,8]] – $f(n) = 21 + 8 = 29$
[[5,4,2][0,7,6][3,1,8]] – $f(n) = 21 + 7 = 28$
[[5,4,2][7,1,6][3,0,8]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 20 – [[8,0,5][6,7,2][3,4,1]]

Generated Nodes :

[[8,5,0][6,7,2][3,4,1]] – $f(n) = 20 + 8 = 28$
[[0,8,5][6,7,2][3,4,1]] – $f(n) = 20 + 8 = 28$
[[8,7,5][6,0,2][3,4,1]] – Already visited Node!

Node Chosen for Level 20 – [[8,7,5][6,2,0][3,4,1]]

Generated Nodes :

[[8,7,0][6,2,5][3,4,1]] – $f(n) = 20 + 8 = 28$
[[8,7,5][6,0,2][3,4,1]] – Already visited Node!
[[8,7,5][6,2,1][3,4,0]] – $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 – [[8,7,5][6,4,2][3,0,1]]

Generated Nodes :

[[8,7,5][6,0,2][3,4,1]] - Already visited Node!
[[8,7,5][6,4,2][3,1,0]] - $f(n) = 20 + 8 = 28$
[[8,7,5][6,4,2][0,3,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][3,6,2][4,0,1]]

Generated Nodes :

[[8,7,5][3,0,2][4,6,1]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,6,2][4,1,0]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,6,2][0,4,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,6,5][8,2,1][3,0,4]]

Generated Nodes :

[[7,6,5][8,0,1][3,2,4]] - $f(n) = 20 + 8 = 28$
[[7,6,5][8,2,1][3,4,0]] - Already visited Node!
[[7,6,5][8,2,1][0,3,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[6,0,5][7,8,2][3,4,1]]

Generated Nodes :

[[6,5,0][7,8,2][3,4,1]] - $f(n) = 20 + 8 = 28$
[[0,6,5][7,8,2][3,4,1]] - Already visited Node!
[[6,8,5][7,0,2][3,4,1]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,6,5][3,8,2][4,0,1]]

Generated Nodes :

[[7,6,5][3,0,2][4,8,1]] - Already visited Node!
[[7,6,5][3,8,2][4,1,0]] - $f(n) = 20 + 8 = 28$
[[7,6,5][3,8,2][0,4,1]] - Already visited Node!

Node Chosen for Level 20 - [[7,6,5][8,4,0][3,1,2]]

Generated Nodes :

[[7,6,0][8,4,5][3,1,2]] - $f(n) = 20 + 8 = 28$
[[7,6,5][8,0,4][3,1,2]] - $f(n) = 20 + 8 = 28$
[[7,6,5][8,4,2][3,1,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,6,5][0,4,2][8,3,1]]

Generated Nodes :

[[0,6,5][7,4,2][8,3,1]] - $f(n) = 20 + 8 = 28$
[[7,6,5][4,0,2][8,3,1]] - Already visited Node!

[[7,6,5][8,4,2][0,3,1]] - Already visited Node!

Node Chosen for Level 20 - [[8,5,2][3,7,0][1,4,6]]

Generated Nodes :

[[8,5,0][3,7,2][1,4,6]] - Already visited Node!

[[8,5,2][3,0,7][1,4,6]] - $f(n) = 20 + 8 = 28$

[[8,5,2][3,7,6][1,4,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[3,8,5][0,7,2][1,4,6]]

Generated Nodes :

[[0,8,5][3,7,2][1,4,6]] - Already visited Node!

[[3,8,5][7,0,2][1,4,6]] - $f(n) = 20 + 8 = 28$

[[3,8,5][1,7,2][0,4,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,7][3,2,5][1,4,6]]

Generated Nodes :

[[8,7,0][3,2,5][1,4,6]] - Already visited Node!

[[0,8,7][3,2,5][1,4,6]] - $f(n) = 20 + 8 = 28$

[[8,2,7][3,0,5][1,4,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,0,5][8,3,2][1,4,6]]

Generated Nodes :

[[7,5,0][8,3,2][1,4,6]] - $f(n) = 20 + 8 = 28$

[[0,7,5][8,3,2][1,4,6]] - Already visited Node!

[[7,3,5][8,0,2][1,4,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][1,3,2][4,0,6]]

Generated Nodes :

[[8,7,5][1,0,2][4,3,6]] - Already visited Node!

[[8,7,5][1,3,2][4,6,0]] - $f(n) = 20 + 8 = 28$

[[8,7,5][1,3,2][0,4,6]] - Already visited Node!

Node Chosen for Level 20 - [[8,0,7][3,4,5][1,6,2]]

Generated Nodes :

[[8,7,0][3,4,5][1,6,2]] - Already visited Node!

[[0,8,7][3,4,5][1,6,2]] - $f(n) = 20 + 8 = 28$

[[8,4,7][3,0,5][1,6,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,5][3,7,4][1,6,2]]

Generated Nodes :

[[8,5,0][3,7,4][1,6,2]] - $f(n) = 20 + 8 = 28$
[[0,8,5][3,7,4][1,6,2]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,0,4][1,6,2]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,5][0,3,4][1,6,2]]

Generated Nodes :

[[0,7,5][8,3,4][1,6,2]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,0,4][1,6,2]] - Already visited Node!
[[8,7,5][1,3,4][0,6,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][3,6,4][1,0,2]]

Generated Nodes :

[[8,7,5][3,0,4][1,6,2]] - Already visited Node!
[[8,7,5][3,6,4][1,2,0]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,6,4][0,1,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,4][2,7,5][3,1,6]]

Generated Nodes :

[[8,4,0][2,7,5][3,1,6]] - $f(n) = 20 + 8 = 28$
[[0,8,4][2,7,5][3,1,6]] - $f(n) = 20 + 8 = 28$
[[8,7,4][2,0,5][3,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,4][2,1,5][3,0,6]]

Generated Nodes :

[[8,7,4][2,0,5][3,1,6]] - Already visited Node!
[[8,7,4][2,1,5][3,6,0]] - $f(n) = 20 + 8 = 28$
[[8,7,4][2,1,5][0,3,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,4][3,2,5][1,0,6]]

Generated Nodes :

[[8,7,4][3,0,5][1,2,6]] - $f(n) = 20 + 8 = 28$
[[8,7,4][3,2,5][1,6,0]] - $f(n) = 20 + 8 = 28$
[[8,7,4][3,2,5][0,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[4,5,2][0,7,8][3,1,6]]

Generated Nodes :

[[0,5,2][4,7,8][3,1,6]] - $f(n) = 20 + 7 = 27$
[[4,5,2][7,0,8][3,1,6]] - Already visited Node!

$[[4,5,2][3,7,8][0,1,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[4,5,2][7,1,8][3,0,6]]$

Generated Nodes :

$[[4,5,2][7,0,8][3,1,6]] - \text{Already visited Node!}$

$[[4,5,2][7,1,8][3,6,0]] - f(n) = 20 + 8 = 28$

$[[4,5,2][7,1,8][0,3,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[4,0,8][7,2,5][3,1,6]]$

Generated Nodes :

$[[4,8,0][7,2,5][3,1,6]] - \text{Already visited Node!}$

$[[0,4,8][7,2,5][3,1,6]] - f(n) = 20 + 8 = 28$

$[[4,2,8][7,0,5][3,1,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[4,8,5][3,7,2][1,0,6]]$

Generated Nodes :

$[[4,8,5][3,0,2][1,7,6]] - f(n) = 20 + 8 = 28$

$[[4,8,5][3,7,2][1,6,0]] - f(n) = 20 + 8 = 28$

$[[4,8,5][3,7,2][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[4,8,5][7,1,0][3,6,2]]$

Generated Nodes :

$[[4,8,0][7,1,5][3,6,2]] - f(n) = 20 + 8 = 28$

$[[4,8,5][7,0,1][3,6,2]] - f(n) = 20 + 8 = 28$

$[[4,8,5][7,1,2][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,4][3,8,5][1,6,2]]$

Generated Nodes :

$[[7,4,0][3,8,5][1,6,2]] - \text{Already visited Node!}$

$[[0,7,4][3,8,5][1,6,2]] - f(n) = 20 + 8 = 28$

$[[7,8,4][3,0,5][1,6,2]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,0,5][3,4,8][1,6,2]]$

Generated Nodes :

$[[7,5,0][3,4,8][1,6,2]] - f(n) = 20 + 8 = 28$

$[[0,7,5][3,4,8][1,6,2]] - f(n) = 20 + 8 = 28$

$[[7,4,5][3,0,8][1,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,4,5][0,3,8][1,6,2]]$

Generated Nodes :

[[0,4,5][7,3,8][1,6,2]] - $f(n) = 20 + 8 = 28$
[[7,4,5][3,0,8][1,6,2]] - Already visited Node!
[[7,4,5][1,3,8][0,6,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,4,5][3,6,8][1,0,2]]

Generated Nodes :

[[7,4,5][3,0,8][1,6,2]] - Already visited Node!
[[7,4,5][3,6,8][1,2,0]] - $f(n) = 20 + 8 = 28$
[[7,4,5][3,6,8][0,1,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,4][0,1,5][3,6,2]]

Generated Nodes :

[[0,7,4][8,1,5][3,6,2]] - Already visited Node!
[[8,7,4][1,0,5][3,6,2]] - $f(n) = 20 + 8 = 28$
[[8,7,4][3,1,5][0,6,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,1,4][0,8,5][3,6,2]]

Generated Nodes :

[[0,1,4][7,8,5][3,6,2]] - $f(n) = 20 + 8 = 28$
[[7,1,4][8,0,5][3,6,2]] - Already visited Node!
[[7,1,4][3,8,5][0,6,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,1,4][8,6,5][3,0,2]]

Generated Nodes :

[[7,1,4][8,0,5][3,6,2]] - Already visited Node!
[[7,1,4][8,6,5][3,2,0]] - $f(n) = 20 + 8 = 28$
[[7,1,4][8,6,5][0,3,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,5,1][8,4,0][3,6,2]]

Generated Nodes :

[[7,5,0][8,4,1][3,6,2]] - Already visited Node!
[[7,5,1][8,0,4][3,6,2]] - $f(n) = 20 + 8 = 28$
[[7,5,1][8,4,2][3,6,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][0,4,1][3,6,2]]

Generated Nodes :

[[0,7,5][8,4,1][3,6,2]] - Already visited Node!
[[8,7,5][4,0,1][3,6,2]] - Already visited Node!

$[[8,7,5][3,4,1][0,6,2]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[4,0,5][7,8,1][3,6,2]]$

Generated Nodes :

$[[4,5,0][7,8,1][3,6,2]] - f(n) = 20 + 8 = 28$

$[[0,4,5][7,8,1][3,6,2]] - \text{Already visited Node!}$

$[[4,8,5][7,0,1][3,6,2]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,4,5][3,8,1][6,0,2]]$

Generated Nodes :

$[[7,4,5][3,0,1][6,8,2]] - f(n) = 20 + 7 = 27$

$[[7,4,5][3,8,1][6,2,0]] - f(n) = 20 + 8 = 28$

$[[7,4,5][3,8,1][0,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,4,5][0,6,1][8,3,2]]$

Generated Nodes :

$[[0,4,5][7,6,1][8,3,2]] - f(n) = 20 + 8 = 28$

$[[7,4,5][6,0,1][8,3,2]] - f(n) = 20 + 8 = 28$

$[[7,4,5][8,6,1][0,3,2]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[4,5,2][7,1,0][8,3,6]]$

Generated Nodes :

$[[4,5,0][7,1,2][8,3,6]] - \text{Already visited Node!}$

$[[4,5,2][7,0,1][8,3,6]] - f(n) = 20 + 8 = 28$

$[[4,5,2][7,1,6][8,3,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[4,1,5][7,2,0][8,3,6]]$

Generated Nodes :

$[[4,1,0][7,2,5][8,3,6]] - f(n) = 20 + 8 = 28$

$[[4,1,5][7,0,2][8,3,6]] - \text{Already visited Node!}$

$[[4,1,5][7,2,6][8,3,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[4,1,5][0,7,2][8,3,6]]$

Generated Nodes :

$[[0,1,5][4,7,2][8,3,6]] - \text{Already visited Node!}$

$[[4,1,5][7,0,2][8,3,6]] - \text{Already visited Node!}$

$[[4,1,5][8,7,2][0,3,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[4,1,5][7,3,2][8,0,6]]$

Generated Nodes :

[[4,1,5][7,0,2][8,3,6]] - Already visited Node!
[[4,1,5][7,3,2][8,6,0]] - $f(n) = 20 + 8 = 28$
[[4,1,5][7,3,2][0,8,6]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,4,5][1,3,0][8,6,2]]

Generated Nodes :

[[7,4,0][1,3,5][8,6,2]] - $f(n) = 20 + 8 = 28$
[[7,4,5][1,0,3][8,6,2]] - $f(n) = 20 + 8 = 28$
[[7,4,5][1,3,2][8,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,8][3,4,2][1,0,6]]

Generated Nodes :

[[7,5,8][3,0,2][1,4,6]] - $f(n) = 20 + 8 = 28$
[[7,5,8][3,4,2][1,6,0]] - $f(n) = 20 + 8 = 28$
[[7,5,8][3,4,2][0,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[4,0,8][5,7,2][3,1,6]]

Generated Nodes :

[[4,8,0][5,7,2][3,1,6]] - $f(n) = 20 + 8 = 28$
[[0,4,8][5,7,2][3,1,6]] - Already visited Node!
[[4,7,8][5,0,2][3,1,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,4,8][3,7,2][1,0,6]]

Generated Nodes :

[[5,4,8][3,0,2][1,7,6]] - $f(n) = 20 + 8 = 28$
[[5,4,8][3,7,2][1,6,0]] - $f(n) = 20 + 8 = 28$
[[5,4,8][3,7,2][0,1,6]] - Already visited Node!

Node Chosen for Level 20 - [[5,4,8][7,1,0][3,6,2]]

Generated Nodes :

[[5,4,0][7,1,8][3,6,2]] - $f(n) = 20 + 8 = 28$
[[5,4,8][7,0,1][3,6,2]] - $f(n) = 20 + 8 = 28$
[[5,4,8][7,1,2][3,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[8,0,7][5,4,2][3,1,6]]

Generated Nodes :

[[8,7,0][5,4,2][3,1,6]] - Already visited Node!
[[0,8,7][5,4,2][3,1,6]] - $f(n) = 20 + 8 = 28$

$[[8,4,7][5,0,2][3,1,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[8,7,2][0,1,4][5,3,6]]$

Generated Nodes :

$[[0,7,2][8,1,4][5,3,6]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][1,0,4][5,3,6]] - f(n) = 20 + 8 = 28$
 $[[8,7,2][5,1,4][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[3,5,2][0,8,4][1,7,6]]$

Generated Nodes :

$[[0,5,2][3,8,4][1,7,6]] - \text{Already visited Node!}$
 $[[3,5,2][8,0,4][1,7,6]] - f(n) = 20 + 8 = 28$
 $[[3,5,2][1,8,4][0,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,8][3,4,2][1,7,6]]$

Generated Nodes :

$[[5,8,0][3,4,2][1,7,6]] - \text{Already visited Node!}$
 $[[0,5,8][3,4,2][1,7,6]] - f(n) = 20 + 8 = 28$
 $[[5,4,8][3,0,2][1,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[8,0,2][5,3,4][1,7,6]]$

Generated Nodes :

$[[8,2,0][5,3,4][1,7,6]] - f(n) = 20 + 7 = 27$
 $[[0,8,2][5,3,4][1,7,6]] - \text{Already visited Node!}$
 $[[8,3,2][5,0,4][1,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,8][3,7,2][1,6,4]]$

Generated Nodes :

$[[5,8,0][3,7,2][1,6,4]] - \text{Already visited Node!}$
 $[[0,5,8][3,7,2][1,6,4]] - f(n) = 20 + 8 = 28$
 $[[5,7,8][3,0,2][1,6,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,2][3,8,7][1,6,4]]$

Generated Nodes :

$[[5,2,0][3,8,7][1,6,4]] - f(n) = 20 + 7 = 27$
 $[[0,5,2][3,8,7][1,6,4]] - f(n) = 20 + 8 = 28$
 $[[5,8,2][3,0,7][1,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,8,2][0,3,7][1,6,4]]$

Generated Nodes :

[[0,8,2][5,3,7][1,6,4]] - $f(n) = 20 + 8 = 28$
[[5,8,2][3,0,7][1,6,4]] - Already visited Node!
[[5,8,2][1,3,7][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,8,2][3,6,7][1,0,4]]

Generated Nodes :

[[5,8,2][3,0,7][1,6,4]] - Already visited Node!
[[5,8,2][3,6,7][1,4,0]] - $f(n) = 20 + 8 = 28$
[[5,8,2][3,6,7][0,1,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,5,8][0,1,2][3,6,4]]

Generated Nodes :

[[0,5,8][7,1,2][3,6,4]] - Already visited Node!
[[7,5,8][1,0,2][3,6,4]] - $f(n) = 20 + 8 = 28$
[[7,5,8][3,1,2][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,1,8][7,2,0][3,6,4]]

Generated Nodes :

[[5,1,0][7,2,8][3,6,4]] - $f(n) = 20 + 8 = 28$
[[5,1,8][7,0,2][3,6,4]] - Already visited Node!
[[5,1,8][7,2,4][3,6,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,1,8][0,7,2][3,6,4]]

Generated Nodes :

[[0,1,8][5,7,2][3,6,4]] - $f(n) = 20 + 8 = 28$
[[5,1,8][7,0,2][3,6,4]] - Already visited Node!
[[5,1,8][3,7,2][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,1,8][7,6,2][3,0,4]]

Generated Nodes :

[[5,1,8][7,0,2][3,6,4]] - Already visited Node!
[[5,1,8][7,6,2][3,4,0]] - $f(n) = 20 + 8 = 28$
[[5,1,8][7,6,2][0,3,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,8,2][3,7,1][6,0,4]]

Generated Nodes :

[[5,8,2][3,0,1][6,7,4]] - $f(n) = 20 + 8 = 28$
[[5,8,2][3,7,1][6,4,0]] - $f(n) = 20 + 8 = 28$

[[5,8,2][3,7,1][0,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[3,0,5][8,7,2][1,6,4]]

Generated Nodes :

[[3,5,0][8,7,2][1,6,4]] - $f(n) = 20 + 8 = 28$
[[0,3,5][8,7,2][1,6,4]] - $f(n) = 20 + 8 = 28$
[[3,7,5][8,0,2][1,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[3,7,5][8,2,0][1,6,4]]

Generated Nodes :

[[3,7,0][8,2,5][1,6,4]] - $f(n) = 20 + 8 = 28$
[[3,7,5][8,0,2][1,6,4]] - Already visited Node!
[[3,7,5][8,2,4][1,6,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[3,7,5][8,6,2][1,0,4]]

Generated Nodes :

[[3,7,5][8,0,2][1,6,4]] - Already visited Node!
[[3,7,5][8,6,2][1,4,0]] - $f(n) = 20 + 8 = 28$
[[3,7,5][8,6,2][0,1,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[3,7,5][1,8,2][6,0,4]]

Generated Nodes :

[[3,7,5][1,0,2][6,8,4]] - $f(n) = 20 + 7 = 27$
[[3,7,5][1,8,2][6,4,0]] - $f(n) = 20 + 8 = 28$
[[3,7,5][1,8,2][0,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,8][3,2,5][1,6,4]]

Generated Nodes :

[[7,8,0][3,2,5][1,6,4]] - Already visited Node!
[[0,7,8][3,2,5][1,6,4]] - $f(n) = 20 + 8 = 28$
[[7,2,8][3,0,5][1,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,8,5][3,2,4][1,0,6]]

Generated Nodes :

[[7,8,5][3,0,4][1,2,6]] - $f(n) = 20 + 8 = 28$
[[7,8,5][3,2,4][1,6,0]] - Already visited Node!
[[7,8,5][3,2,4][0,1,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,5][7,3,2][1,6,4]]

Generated Nodes :

[[8,5,0][7,3,2][1,6,4]] - $f(n) = 20 + 8 = 28$
[[0,8,5][7,3,2][1,6,4]] - Already visited Node!
[[8,3,5][7,0,2][1,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,8,5][1,3,2][6,0,4]]

Generated Nodes :

[[7,8,5][1,0,2][6,3,4]] - $f(n) = 20 + 8 = 28$
[[7,8,5][1,3,2][6,4,0]] - $f(n) = 20 + 8 = 28$
[[7,8,5][1,3,2][0,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,8,5][3,6,0][1,4,2]]

Generated Nodes :

[[7,8,0][3,6,5][1,4,2]] - $f(n) = 20 + 8 = 28$
[[7,8,5][3,0,6][1,4,2]] - $f(n) = 20 + 7 = 27$
[[7,8,5][3,6,2][1,4,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,8,5][0,6,2][3,1,4]]

Generated Nodes :

[[0,8,5][7,6,2][3,1,4]] - $f(n) = 20 + 8 = 28$
[[7,8,5][6,0,2][3,1,4]] - $f(n) = 20 + 8 = 28$
[[7,8,5][3,6,2][0,1,4]] - Already visited Node!

Node Chosen for Level 20 - [[5,3,2][7,8,0][1,6,4]]

Generated Nodes :

[[5,3,0][7,8,2][1,6,4]] - $f(n) = 20 + 8 = 28$
[[5,3,2][7,0,8][1,6,4]] - Already visited Node!
[[5,3,2][7,8,4][1,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[5,3,2][0,7,8][1,6,4]]

Generated Nodes :

[[0,3,2][5,7,8][1,6,4]] - $f(n) = 20 + 8 = 28$
[[5,3,2][7,0,8][1,6,4]] - Already visited Node!
[[5,3,2][1,7,8][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,3,2][7,6,8][1,0,4]]

Generated Nodes :

[[5,3,2][7,0,8][1,6,4]] - Already visited Node!
[[5,3,2][7,6,8][1,4,0]] - $f(n) = 20 + 8 = 28$

$[[5,3,2][7,6,8][0,1,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][1,8,0][6,3,4]]$

Generated Nodes :

$[[7,5,0][1,8,2][6,3,4]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][1,0,8][6,3,4]] - \text{Already visited Node!}$
 $[[7,5,2][1,8,4][6,3,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][0,1,8][6,3,4]]$

Generated Nodes :

$[[0,5,2][7,1,8][6,3,4]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][1,0,8][6,3,4]] - \text{Already visited Node!}$
 $[[7,5,2][6,1,8][0,3,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][1,3,0][6,4,8]]$

Generated Nodes :

$[[7,5,0][1,3,2][6,4,8]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][1,0,3][6,4,8]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][1,3,8][6,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,5][3,6,2][1,4,8]]$

Generated Nodes :

$[[7,5,0][3,6,2][1,4,8]] - \text{Already visited Node!}$
 $[[0,7,5][3,6,2][1,4,8]] - f(n) = 20 + 8 = 28$
 $[[7,6,5][3,0,2][1,4,8]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,2][7,6,8][3,1,4]]$

Generated Nodes :

$[[5,2,0][7,6,8][3,1,4]] - f(n) = 20 + 7 = 27$
 $[[0,5,2][7,6,8][3,1,4]] - \text{Already visited Node!}$
 $[[5,6,2][7,0,8][3,1,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][6,8,0][3,1,4]]$

Generated Nodes :

$[[7,5,0][6,8,2][3,1,4]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][6,0,8][3,1,4]] - \text{Already visited Node!}$
 $[[7,5,2][6,8,4][3,1,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][6,1,8][3,0,4]]$

Generated Nodes :

[[7,5,2][6,0,8][3,1,4]] - Already visited Node!
[[7,5,2][6,1,8][3,4,0]] - $f(n) = 20 + 8 = 28$
[[7,5,2][6,1,8][0,3,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,5,2][1,7,0][3,6,4]]

Generated Nodes :

[[8,5,0][1,7,2][3,6,4]] - Already visited Node!
[[8,5,2][1,0,7][3,6,4]] - $f(n) = 20 + 8 = 28$
[[8,5,2][1,7,4][3,6,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,0,7][1,2,5][3,6,4]]

Generated Nodes :

[[8,7,0][1,2,5][3,6,4]] - Already visited Node!
[[0,8,7][1,2,5][3,6,4]] - $f(n) = 20 + 8 = 28$
[[8,2,7][1,0,5][3,6,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[8,7,5][1,2,4][3,0,6]]

Generated Nodes :

[[8,7,5][1,0,4][3,2,6]] - $f(n) = 20 + 8 = 28$
[[8,7,5][1,2,4][3,6,0]] - Already visited Node!
[[8,7,5][1,2,4][0,3,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][1,6,0][3,4,2]]

Generated Nodes :

[[8,7,0][1,6,5][3,4,2]] - $f(n) = 20 + 8 = 28$
[[8,7,5][1,0,6][3,4,2]] - $f(n) = 20 + 7 = 27$
[[8,7,5][1,6,2][3,4,0]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,5][0,6,2][1,3,4]]

Generated Nodes :

[[0,7,5][8,6,2][1,3,4]] - $f(n) = 20 + 8 = 28$
[[8,7,5][6,0,2][1,3,4]] - $f(n) = 20 + 8 = 28$
[[8,7,5][1,6,2][0,3,4]] - Already visited Node!

Node Chosen for Level 20 - [[8,0,5][3,7,2][6,1,4]]

Generated Nodes :

[[8,5,0][3,7,2][6,1,4]] - $f(n) = 20 + 8 = 28$
[[0,8,5][3,7,2][6,1,4]] - $f(n) = 20 + 8 = 28$

[[8,7,5][3,0,2][6,1,4]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,5][3,2,0][6,1,4]]

Generated Nodes :

[[8,7,0][3,2,5][6,1,4]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,0,2][6,1,4]] - Already visited Node!
[[8,7,5][3,2,4][6,1,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][0,3,2][6,1,4]]

Generated Nodes :

[[0,7,5][8,3,2][6,1,4]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,0,2][6,1,4]] - Already visited Node!
[[8,7,5][6,3,2][0,1,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[8,7,5][3,1,0][6,4,2]]

Generated Nodes :

[[8,7,0][3,1,5][6,4,2]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,0,1][6,4,2]] - $f(n) = 20 + 8 = 28$
[[8,7,5][3,1,2][6,4,0]] - Already visited Node!

Node Chosen for Level 20 - [[8,7,1][0,2,5][3,6,4]]

Generated Nodes :

[[0,7,1][8,2,5][3,6,4]] - Already visited Node!
[[8,7,1][2,0,5][3,6,4]] - $f(n) = 20 + 8 = 28$
[[8,7,1][3,2,5][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,0,5][8,1,4][3,2,6]]

Generated Nodes :

[[7,5,0][8,1,4][3,2,6]] - $f(n) = 20 + 8 = 28$
[[0,7,5][8,1,4][3,2,6]] - $f(n) = 20 + 8 = 28$
[[7,1,5][8,0,4][3,2,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,1,5][8,4,0][3,2,6]]

Generated Nodes :

[[7,1,0][8,4,5][3,2,6]] - $f(n) = 20 + 8 = 28$
[[7,1,5][8,0,4][3,2,6]] - Already visited Node!
[[7,1,5][8,4,6][3,2,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,1,5][0,8,4][3,2,6]]

Generated Nodes :

[[0,1,5][7,8,4][3,2,6]] - $f(n) = 20 + 8 = 28$
[[7,1,5][8,0,4][3,2,6]] - Already visited Node!
[[7,1,5][3,8,4][0,2,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,1,5][0,2,4][8,3,6]]

Generated Nodes :

[[0,1,5][7,2,4][8,3,6]] - $f(n) = 20 + 8 = 28$
[[7,1,5][2,0,4][8,3,6]] - $f(n) = 20 + 8 = 28$
[[7,1,5][8,2,4][0,3,6]] - Already visited Node!

Node Chosen for Level 20 - [[7,1,5][3,8,0][6,4,2]]

Generated Nodes :

[[7,1,0][3,8,5][6,4,2]] - $f(n) = 20 + 8 = 28$
[[7,1,5][3,0,8][6,4,2]] - $f(n) = 20 + 8 = 28$
[[7,1,5][3,8,2][6,4,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,0,1][8,6,5][3,4,2]]

Generated Nodes :

[[7,1,0][8,6,5][3,4,2]] - Already visited Node!
[[0,7,1][8,6,5][3,4,2]] - $f(n) = 20 + 8 = 28$
[[7,6,1][8,0,5][3,4,2]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,0,5][6,1,2][8,3,4]]

Generated Nodes :

[[7,5,0][6,1,2][8,3,4]] - Already visited Node!
[[0,7,5][6,1,2][8,3,4]] - $f(n) = 20 + 8 = 28$
[[7,1,5][6,0,2][8,3,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,1,5][6,2,0][8,3,4]]

Generated Nodes :

[[7,1,0][6,2,5][8,3,4]] - $f(n) = 20 + 8 = 28$
[[7,1,5][6,0,2][8,3,4]] - Already visited Node!
[[7,1,5][6,2,4][8,3,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,1,5][6,3,2][8,0,4]]

Generated Nodes :

[[7,1,5][6,0,2][8,3,4]] - Already visited Node!
[[7,1,5][6,3,2][8,4,0]] - $f(n) = 20 + 8 = 28$

$[[7,1,5][6,3,2][0,8,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,8,2][3,7,1][6,0,4]]$

Generated Nodes :

$[[5,8,2][3,0,1][6,7,4]] - f(n) = 20 + 8 = 28$
 $[[5,8,2][3,7,1][6,4,0]] - f(n) = 20 + 8 = 28$
 $[[5,8,2][3,7,1][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,0,5][3,8,2][6,4,1]]$

Generated Nodes :

$[[7,5,0][3,8,2][6,4,1]] - \text{Already visited Node!}$
 $[[0,7,5][3,8,2][6,4,1]] - f(n) = 20 + 8 = 28$
 $[[7,8,5][3,0,2][6,4,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][0,3,8][6,4,1]]$

Generated Nodes :

$[[0,5,2][7,3,8][6,4,1]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][3,0,8][6,4,1]] - \text{Already visited Node!}$
 $[[7,5,2][6,3,8][0,4,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[7,5,2][3,4,8][6,0,1]]$

Generated Nodes :

$[[7,5,2][3,0,8][6,4,1]] - \text{Already visited Node!}$
 $[[7,5,2][3,4,8][6,1,0]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][3,4,8][0,6,1]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,6,2][7,1,0][8,3,4]]$

Generated Nodes :

$[[5,6,0][7,1,2][8,3,4]] - f(n) = 20 + 8 = 28$
 $[[5,6,2][7,0,1][8,3,4]] - \text{Already visited Node!}$
 $[[5,6,2][7,1,4][8,3,0]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,6,2][0,7,1][8,3,4]]$

Generated Nodes :

$[[0,6,2][5,7,1][8,3,4]] - f(n) = 20 + 8 = 28$
 $[[5,6,2][7,0,1][8,3,4]] - \text{Already visited Node!}$
 $[[5,6,2][8,7,1][0,3,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,6,2][7,3,1][8,0,4]]$

Generated Nodes :

[[5,6,2][7,0,1][8,3,4]] - Already visited Node!
[[5,6,2][7,3,1][8,4,0]] - $f(n) = 20 + 8 = 28$
[[5,6,2][7,3,1][0,8,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,0,5][6,1,2][8,3,4]]

Generated Nodes :

[[7,5,0][6,1,2][8,3,4]] - Already visited Node!
[[0,7,5][6,1,2][8,3,4]] - $f(n) = 20 + 8 = 28$
[[7,1,5][6,0,2][8,3,4]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,2][6,1,4][8,0,3]]

Generated Nodes :

[[7,5,2][6,0,4][8,1,3]] - $f(n) = 20 + 8 = 28$
[[7,5,2][6,1,4][8,3,0]] - Already visited Node!
[[7,5,2][6,1,4][0,8,3]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,5,2][6,3,0][8,4,1]]

Generated Nodes :

[[7,5,0][6,3,2][8,4,1]] - $f(n) = 20 + 8 = 28$
[[7,5,2][6,0,3][8,4,1]] - $f(n) = 20 + 8 = 28$
[[7,5,2][6,3,1][8,4,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,5,1][0,4,2][8,3,6]]

Generated Nodes :

[[0,5,1][7,4,2][8,3,6]] - Already visited Node!
[[7,5,1][4,0,2][8,3,6]] - $f(n) = 20 + 7 = 27$
[[7,5,1][8,4,2][0,3,6]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,4,1][7,2,0][8,3,6]]

Generated Nodes :

[[5,4,0][7,2,1][8,3,6]] - Already visited Node!
[[5,4,1][7,0,2][8,3,6]] - Already visited Node!
[[5,4,1][7,2,6][8,3,0]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[5,4,1][0,7,2][8,3,6]]

Generated Nodes :

[[0,4,1][5,7,2][8,3,6]] - $f(n) = 20 + 8 = 28$
[[5,4,1][7,0,2][8,3,6]] - Already visited Node!

$[[5,4,1][8,7,2][0,3,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,4,1][7,3,2][8,0,6]]$

Generated Nodes :

$[[5,4,1][7,0,2][8,3,6]] - \text{Already visited Node!}$

$[[5,4,1][7,3,2][8,6,0]] - f(n) = 20 + 8 = 28$

$[[5,4,1][7,3,2][0,8,6]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,0,2][8,1,4][3,7,6]]$

Generated Nodes :

$[[5,2,0][8,1,4][3,7,6]] - f(n) = 20 + 7 = 27$

$[[0,5,2][8,1,4][3,7,6]] - f(n) = 20 + 8 = 28$

$[[5,1,2][8,0,4][3,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,1,2][8,4,0][3,7,6]]$

Generated Nodes :

$[[5,1,0][8,4,2][3,7,6]] - f(n) = 20 + 8 = 28$

$[[5,1,2][8,0,4][3,7,6]] - \text{Already visited Node!}$

$[[5,1,2][8,4,6][3,7,0]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,1,2][0,8,4][3,7,6]]$

Generated Nodes :

$[[0,1,2][5,8,4][3,7,6]] - f(n) = 20 + 8 = 28$

$[[5,1,2][8,0,4][3,7,6]] - \text{Already visited Node!}$

$[[5,1,2][3,8,4][0,7,6]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,1,2][8,7,0][3,6,4]]$

Generated Nodes :

$[[5,1,0][8,7,2][3,6,4]] - f(n) = 20 + 8 = 28$

$[[5,1,2][8,0,7][3,6,4]] - f(n) = 20 + 8 = 28$

$[[5,1,2][8,7,4][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[5,0,1][7,3,2][8,6,4]]$

Generated Nodes :

$[[5,1,0][7,3,2][8,6,4]] - \text{Already visited Node!}$

$[[0,5,1][7,3,2][8,6,4]] - f(n) = 20 + 8 = 28$

$[[5,3,1][7,0,2][8,6,4]] - f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - $[[5,0,2][7,1,3][8,6,4]]$

Generated Nodes :

[[5,2,0][7,1,3][8,6,4]] - $f(n) = 20 + 7 = 27$
[[0,5,2][7,1,3][8,6,4]] - Already visited Node!
[[5,1,2][7,0,3][8,6,4]] - Already visited Node!

Node Chosen for Level 20 - [[5,1,2][0,7,3][8,6,4]]

Generated Nodes :

[[0,1,2][5,7,3][8,6,4]] - $f(n) = 20 + 8 = 28$
[[5,1,2][7,0,3][8,6,4]] - Already visited Node!
[[5,1,2][8,7,3][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[5,1,2][7,6,3][8,0,4]]

Generated Nodes :

[[5,1,2][7,0,3][8,6,4]] - Already visited Node!
[[5,1,2][7,6,3][8,4,0]] - $f(n) = 20 + 8 = 28$
[[5,1,2][7,6,3][0,8,4]] - $f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - [[7,4,5][1,3,0][8,6,2]]

Generated Nodes :

[[7,4,0][1,3,5][8,6,2]] - $f(n) = 20 + 8 = 28$
[[7,4,5][1,0,3][8,6,2]] - $f(n) = 20 + 8 = 28$
[[7,4,5][1,3,2][8,6,0]] - Already visited Node!

Node Chosen for Level 20 - [[7,3,5][1,2,0][8,6,4]]

Generated Nodes :

[[7,3,0][1,2,5][8,6,4]] - $f(n) = 20 + 8 = 28$
[[7,3,5][1,0,2][8,6,4]] - Already visited Node!
[[7,3,5][1,2,4][8,6,0]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,3,5][0,1,2][8,6,4]]

Generated Nodes :

[[0,3,5][7,1,2][8,6,4]] - $f(n) = 20 + 8 = 28$
[[7,3,5][1,0,2][8,6,4]] - Already visited Node!
[[7,3,5][8,1,2][0,6,4]] - $f(n) = 20 + 8 = 28$

Node Chosen for Level 20 - [[7,3,5][1,6,2][8,0,4]]

Generated Nodes :

[[7,3,5][1,0,2][8,6,4]] - Already visited Node!
[[7,3,5][1,6,2][8,4,0]] - $f(n) = 20 + 8 = 28$

$[[7,3,5][1,6,2][0,8,4]] - f(n) = 20 + 7 = 27$

Node Chosen for Level 20 - $[[5,0,2][7,1,3][8,6,4]]$

Generated Nodes :

$[[5,2,0][7,1,3][8,6,4]] - f(n) = 20 + 7 = 27$
 $[[0,5,2][7,1,3][8,6,4]] - \text{Already visited Node!}$
 $[[5,1,2][7,0,3][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 20 - $[[7,5,2][8,1,3][6,0,4]]$

Generated Nodes :

$[[7,5,2][8,0,3][6,1,4]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][8,1,3][6,4,0]] - f(n) = 20 + 8 = 28$
 $[[7,5,2][8,1,3][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,0,6][4,7,1]]$

Generated Nodes :

$[[5,0,2][3,8,6][4,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][3,6,0][4,7,1]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][0,3,6][4,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][3,7,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,7,6][4,1,0]]$

Generated Nodes :

$[[5,8,2][3,7,0][4,1,6]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][3,7,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,4,2][8,0,6][3,7,1]]$

Generated Nodes :

$[[5,0,2][8,4,6][3,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,4,2][8,6,0][3,7,1]] - f(n) = 21 + 8 = 29$
 $[[5,4,2][0,8,6][3,7,1]] - f(n) = 21 + 7 = 28$
 $[[5,4,2][8,7,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,4,2][8,7,6][3,1,0]]$

Generated Nodes :

$[[5,4,2][8,7,0][3,1,6]] - f(n) = 21 + 8 = 29$
 $[[5,4,2][8,7,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,2,4][5,3,8][1,7,6]]$

Generated Nodes :

[[2,0,4][5,3,8][1,7,6]] - $f(n) = 21 + 8 = 29$
[[5,2,4][0,3,8][1,7,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][1,3,8][0,7,6]]

Generated Nodes :

[[5,2,4][0,3,8][1,7,6]] - Already visited Node!
[[5,2,4][1,3,8][7,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,0][3,7,4][1,6,8]]

Generated Nodes :

[[5,0,2][3,7,4][1,6,8]] - $f(n) = 21 + 8 = 29$
[[5,2,4][3,7,0][1,6,8]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][3,0,7][1,6,8]]

Generated Nodes :

[[5,0,4][3,2,7][1,6,8]] - $f(n) = 21 + 8 = 29$
[[5,2,4][3,7,0][1,6,8]] - Already visited Node!
[[5,2,4][0,3,7][1,6,8]] - $f(n) = 21 + 7 = 28$
[[5,2,4][3,6,7][1,0,8]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,2,4][5,7,1][3,6,8]]

Generated Nodes :

[[2,0,4][5,7,1][3,6,8]] - $f(n) = 21 + 8 = 29$
[[5,2,4][0,7,1][3,6,8]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][3,7,1][0,6,8]]

Generated Nodes :

[[5,2,4][0,7,1][3,6,8]] - Already visited Node!
[[5,2,4][3,7,1][6,0,8]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,2,4][7,6,1][0,3,8]]

Generated Nodes :

[[5,2,4][0,6,1][7,3,8]] - $f(n) = 21 + 6 = 27$
[[5,2,4][7,6,1][3,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[4,5,0][7,3,2][1,8,6]]

Generated Nodes :

[[4,0,5][7,3,2][1,8,6]] - Already visited Node!
[[4,5,2][7,3,0][1,8,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[4,3,5][7,0,2][1,8,6]]

Generated Nodes :

[[4,0,5][7,3,2][1,8,6]] - Already visited Node!
[[4,3,5][7,2,0][1,8,6]] - $f(n) = 21 + 7 = 28$
[[4,3,5][0,7,2][1,8,6]] - $f(n) = 21 + 7 = 28$
[[4,3,5][7,8,2][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,0][3,5,2][6,4,1]]

Generated Nodes :

[[8,0,7][3,5,2][6,4,1]] - $f(n) = 21 + 7 = 28$
[[8,7,2][3,5,0][6,4,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,5,2][4,1,7][3,6,0]]

Generated Nodes :

[[8,5,2][4,1,0][3,6,7]] - $f(n) = 21 + 7 = 28$
[[8,5,2][4,1,7][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,5,2][4,1,7][0,3,6]]

Generated Nodes :

[[8,5,2][0,1,7][4,3,6]] - $f(n) = 21 + 8 = 29$
[[8,5,2][4,1,7][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,8,7][4,1,5][3,6,2]]

Generated Nodes :

[[8,0,7][4,1,5][3,6,2]] - Already visited Node!
[[4,8,7][0,1,5][3,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,1,7][4,0,5][3,6,2]]

Generated Nodes :

[[8,0,7][4,1,5][3,6,2]] - Already visited Node!
[[8,1,7][4,5,0][3,6,2]] - $f(n) = 21 + 6 = 27$
[[8,1,7][0,4,5][3,6,2]] - $f(n) = 21 + 8 = 29$
[[8,1,7][4,6,5][3,0,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[8,5,0][4,7,1][3,6,2]]

Generated Nodes :

[[8,0,5][4,7,1][3,6,2]] - Already visited Node!
[[8,5,1][4,7,0][3,6,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,8,5][4,7,1][3,6,2]]

Generated Nodes :

[[8,0,5][4,7,1][3,6,2]] - Already visited Node!
[[4,8,5][0,7,1][3,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,5][4,6,1][3,2,0]]

Generated Nodes :

[[8,7,5][4,6,0][3,2,1]] - Already visited Node!
[[8,7,5][4,6,1][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][4,6,1][0,3,2]]

Generated Nodes :

[[8,7,5][0,6,1][4,3,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][4,6,1][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][3,4,6][0,2,1]]

Generated Nodes :

[[8,7,5][0,4,6][3,2,1]] - Already visited Node!
[[8,7,5][3,4,6][2,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[4,5,0][7,8,6][3,2,1]]

Generated Nodes :

[[4,0,5][7,8,6][3,2,1]] - Already visited Node!
[[4,5,6][7,8,0][3,2,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,8,5][7,0,6][3,2,1]]

Generated Nodes :

[[4,0,5][7,8,6][3,2,1]] - Already visited Node!
[[4,8,5][7,6,0][3,2,1]] - $f(n) = 21 + 8 = 29$
[[4,8,5][0,7,6][3,2,1]] - $f(n) = 21 + 7 = 28$
[[4,8,5][7,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][3,8,6][2,1,0]]

Generated Nodes :

[[7,4,5][3,8,0][2,1,6]] - $f(n) = 21 + 8 = 29$
[[7,4,5][3,8,6][2,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[4,5,0][7,2,6][8,3,1]]

Generated Nodes :

[[4,0,5][7,2,6][8,3,1]] - Already visited Node!
[[4,5,6][7,2,0][8,3,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,0][2,4,6][8,3,1]]

Generated Nodes :

[[7,0,5][2,4,6][8,3,1]] - Already visited Node!
[[7,5,6][2,4,0][8,3,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][2,4,6][8,3,1]]

Generated Nodes :

[[7,0,5][2,4,6][8,3,1]] - Already visited Node!
[[2,7,5][0,4,6][8,3,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,4,5][2,3,6][8,1,0]]

Generated Nodes :

[[7,4,5][2,3,0][8,1,6]] - $f(n) = 21 + 8 = 29$
[[7,4,5][2,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][3,0,6][4,7,1]]

Generated Nodes :

[[5,0,2][3,8,6][4,7,1]] - $f(n) = 21 + 7 = 28$
[[5,8,2][3,6,0][4,7,1]] - $f(n) = 21 + 8 = 29$
[[5,8,2][0,3,6][4,7,1]] - $f(n) = 21 + 7 = 28$
[[5,8,2][3,7,6][4,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][3,7,6][4,1,0]]

Generated Nodes :

[[5,8,2][3,7,0][4,1,6]] - $f(n) = 21 + 8 = 29$
[[5,8,2][3,7,6][4,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,2,4][8,0,1][3,7,6]]

Generated Nodes :

$[5,0,4][8,2,1][3,7,6] - f(n) = 21 + 8 = 29$
 $[5,2,4][8,1,0][3,7,6] - f(n) = 21 + 7 = 28$
 $[5,2,4][0,8,1][3,7,6] - f(n) = 21 + 7 = 28$
 $[5,2,4][8,7,1][3,0,6] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[5,2,4][8,7,1][3,6,0]$

Generated Nodes :

$[5,2,4][8,7,0][3,6,1] - f(n) = 21 + 7 = 28$
 $[5,2,4][8,7,1][3,0,6] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[5,2,0][7,3,4][8,6,1]$

Generated Nodes :

$[5,0,2][7,3,4][8,6,1] - f(n) = 21 + 8 = 29$
 $[5,2,4][7,3,0][8,6,1] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[5,2,4][7,0,3][8,6,1]$

Generated Nodes :

$[5,0,4][7,2,3][8,6,1] - f(n) = 21 + 8 = 29$
 $[5,2,4][7,3,0][8,6,1] - \text{Already visited Node!}$
 $[5,2,4][0,7,3][8,6,1] - f(n) = 21 + 7 = 28$
 $[5,2,4][7,6,3][8,0,1] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[7,5,2][8,0,6][4,1,3]$

Generated Nodes :

$[7,0,2][8,5,6][4,1,3] - f(n) = 21 + 6 = 27$
 $[7,5,2][8,6,0][4,1,3] - f(n) = 21 + 8 = 29$
 $[7,5,2][0,8,6][4,1,3] - f(n) = 21 + 7 = 28$
 $[7,5,2][8,1,6][4,0,3] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[7,5,2][8,1,6][4,3,0]$

Generated Nodes :

$[7,5,2][8,1,0][4,3,6] - f(n) = 21 + 8 = 29$
 $[7,5,2][8,1,6][4,0,3] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[1,0,7][8,5,2][3,6,4]$

Generated Nodes :

$[1,7,0][8,5,2][3,6,4] - \text{Already visited Node!}$
 $[0,1,7][8,5,2][3,6,4] - f(n) = 22 + 7 = 29$
 $[1,5,7][8,0,2][3,6,4] - f(n) = 22 + 7 = 29$

Node Chosen for Level 21 – [[8,1,0][5,4,2][7,3,6]]

Generated Nodes :

[[8,0,1][5,4,2][7,3,6]] – $f(n) = 21 + 7 = 28$
[[8,1,2][5,4,0][7,3,6]] – Already visited Node!

Node Chosen for Level 21 – [[8,1,2][5,3,4][7,6,0]]

Generated Nodes :

[[8,1,2][5,3,0][7,6,4]] – $f(n) = 21 + 7 = 28$
[[8,1,2][5,3,4][7,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,8][1,4,2][7,3,6]]

Generated Nodes :

[[5,0,8][1,4,2][7,3,6]] – Already visited Node!
[[1,5,8][0,4,2][7,3,6]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,4,8][1,0,2][7,3,6]]

Generated Nodes :

[[5,0,8][1,4,2][7,3,6]] – Already visited Node!
[[5,4,8][1,2,0][7,3,6]] – $f(n) = 21 + 7 = 28$
[[5,4,8][0,1,2][7,3,6]] – Already visited Node!
[[5,4,8][1,3,2][7,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,8,0][1,3,2][7,6,4]]

Generated Nodes :

[[5,0,8][1,3,2][7,6,4]] – $f(n) = 21 + 7 = 28$
[[5,8,2][1,3,0][7,6,4]] – Already visited Node!

Node Chosen for Level 21 – [[5,8,2][1,0,3][7,6,4]]

Generated Nodes :

[[5,0,2][1,8,3][7,6,4]] – $f(n) = 21 + 7 = 28$
[[5,8,2][1,3,0][7,6,4]] – Already visited Node!
[[5,8,2][0,1,3][7,6,4]] – $f(n) = 21 + 7 = 28$
[[5,8,2][1,6,3][7,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[3,7,2][1,5,8][6,4,0]]

Generated Nodes :

[[3,7,2][1,5,0][6,4,8]] – $f(n) = 21 + 7 = 28$
[[3,7,2][1,5,8][6,0,4]] – Already visited Node!

Node Chosen for Level 22 – [[5,3,2][0,7,6][4,8,1]]

Generated Nodes :

[[0,3,2][5,7,6][4,8,1]] – $f(n) = 22 + 6 = 28$
[[5,3,2][7,0,6][4,8,1]] – Already visited Node!
[[5,3,2][4,7,6][0,8,1]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[5,2,4][8,7,6][1,0,3]]

Generated Nodes :

[[5,2,4][8,0,6][1,7,3]] – $f(n) = 22 + 6 = 28$
[[5,2,4][8,7,6][1,3,0]] – $f(n) = 22 + 6 = 28$
[[5,2,4][8,7,6][0,1,3]] – Already visited Node!

Node Chosen for Level 22 – [[5,4,2][0,7,6][1,8,3]]

Generated Nodes :

[[0,4,2][5,7,6][1,8,3]] – $f(n) = 22 + 6 = 28$
[[5,4,2][7,0,6][1,8,3]] – Already visited Node!
[[5,4,2][1,7,6][0,8,3]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,8][0,5,4][3,1,6]]

Generated Nodes :

[[0,2,8][7,5,4][3,1,6]] – $f(n) = 22 + 6 = 28$
[[7,2,8][5,0,4][3,1,6]] – $f(n) = 22 + 7 = 29$
[[7,2,8][3,5,4][0,1,6]] – Already visited Node!

Node Chosen for Level 22 – [[3,7,2][1,5,6][4,0,8]]

Generated Nodes :

[[3,7,2][1,0,6][4,5,8]] – $f(n) = 22 + 7 = 29$
[[3,7,2][1,5,6][4,8,0]] – $f(n) = 22 + 5 = 27$
[[3,7,2][1,5,6][0,4,8]] – Already visited Node!

Node Chosen for Level 21 – [[4,5,0][7,3,2][1,8,6]]

Generated Nodes :

[[4,0,5][7,3,2][1,8,6]] – Already visited Node!
[[4,5,2][7,3,0][1,8,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[4,3,5][7,0,2][1,8,6]]

Generated Nodes :

$[[4,0,5][7,3,2][1,8,6]]$ - Already visited Node!
 $[[4,3,5][7,2,0][1,8,6]]$ - $f(n) = 21 + 7 = 28$
 $[[4,3,5][0,7,2][1,8,6]]$ - $f(n) = 21 + 7 = 28$
 $[[4,3,5][7,8,2][1,0,6]]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,2,4][5,1,7][3,6,0]]$

Generated Nodes :

$[[8,2,4][5,1,0][3,6,7]]$ - $f(n) = 21 + 7 = 28$
 $[[8,2,4][5,1,7][3,0,6]]$ - Already visited Node!

Node Chosen for Level 21 - $[[8,2,4][5,1,7][0,3,6]]$

Generated Nodes :

$[[8,2,4][0,1,7][5,3,6]]$ - $f(n) = 21 + 7 = 28$
 $[[8,2,4][5,1,7][3,0,6]]$ - Already visited Node!

Node Chosen for Level 21 - $[[0,2,1][5,7,8][3,6,4]]$

Generated Nodes :

$[[2,0,1][5,7,8][3,6,4]]$ - $f(n) = 21 + 8 = 29$
 $[[5,2,1][0,7,8][3,6,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[5,2,1][3,7,8][0,6,4]]$

Generated Nodes :

$[[5,2,1][0,7,8][3,6,4]]$ - Already visited Node!
 $[[5,2,1][3,7,8][6,0,4]]$ - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,2,1][7,6,8][3,4,0]]$

Generated Nodes :

$[[5,2,1][7,6,0][3,4,8]]$ - $f(n) = 21 + 7 = 28$
 $[[5,2,1][7,6,8][3,0,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[5,2,1][7,6,8][0,3,4]]$

Generated Nodes :

$[[5,2,1][0,6,8][7,3,4]]$ - $f(n) = 21 + 6 = 27$
 $[[5,2,1][7,6,8][3,0,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[5,2,1][7,8,4][0,3,6]]$

Generated Nodes :

$[[5,2,1][0,8,4][7,3,6]]$ - $f(n) = 21 + 6 = 27$

[[5,2,1][7,8,4][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,5][3,1,2][6,8,4]]

Generated Nodes :

[[7,0,5][3,1,2][6,8,4]] - Already visited Node!

[[3,7,5][0,1,2][6,8,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,3,2][7,0,1][6,8,4]]

Generated Nodes :

[[5,0,2][7,3,1][6,8,4]] - Already visited Node!

[[5,3,2][7,1,0][6,8,4]] - $f(n) = 21 + 7 = 28$

[[5,3,2][0,7,1][6,8,4]] - $f(n) = 21 + 7 = 28$

[[5,3,2][7,8,1][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,1,2][5,7,6][8,4,3]]

Generated Nodes :

[[1,0,2][5,7,6][8,4,3]] - Already visited Node!

[[5,1,2][0,7,6][8,4,3]] - Already visited Node!

Node Chosen for Level 21 - [[5,1,2][8,7,6][0,4,3]]

Generated Nodes :

[[5,1,2][0,7,6][8,4,3]] - Already visited Node!

[[5,1,2][8,7,6][4,0,3]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[5,2,4][1,3,0][7,6,8]]

Generated Nodes :

[[5,2,0][1,3,4][7,6,8]] - $f(n) = 22 + 6 = 28$

[[5,2,4][1,0,3][7,6,8]] - $f(n) = 22 + 6 = 28$

[[5,2,4][1,3,8][7,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,4,2][5,3,6][7,0,1]]

Generated Nodes :

[[8,4,2][5,0,6][7,3,1]] - Already visited Node!

[[8,4,2][5,3,6][7,1,0]] - $f(n) = 22 + 6 = 28$

[[8,4,2][5,3,6][0,7,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,5,2][0,1,4][7,8,6]]

Generated Nodes :

[[0,5,2][3,1,4][7,8,6]] - Already visited Node!
[[3,5,2][1,0,4][7,8,6]] - $f(n) = 22 + 6 = 28$
[[3,5,2][7,1,4][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,1][3,4,2][7,8,6]]

Generated Nodes :

[[5,1,0][3,4,2][7,8,6]] - Already visited Node!
[[0,5,1][3,4,2][7,8,6]] - $f(n) = 22 + 6 = 28$
[[5,4,1][3,0,2][7,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,2,4][5,3,7][8,0,6]]

Generated Nodes :

[[1,2,4][5,0,7][8,3,6]] - Already visited Node!
[[1,2,4][5,3,7][8,6,0]] - $f(n) = 22 + 6 = 28$
[[1,2,4][5,3,7][0,8,6]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[1,0,2][5,7,6][8,4,3]]

Generated Nodes :

[[1,2,0][5,7,6][8,4,3]] - $f(n) = 22 + 5 = 27$
[[0,1,2][5,7,6][8,4,3]] - Already visited Node!
[[1,7,2][5,0,6][8,4,3]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,2][3,7,4][5,8,6]]

Generated Nodes :

[[1,2,0][3,7,4][5,8,6]] - $f(n) = 22 + 5 = 27$
[[0,1,2][3,7,4][5,8,6]] - $f(n) = 22 + 7 = 29$
[[1,7,2][3,0,4][5,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,2][3,4,0][5,8,6]]

Generated Nodes :

[[1,7,0][3,4,2][5,8,6]] - $f(n) = 22 + 6 = 28$
[[1,7,2][3,0,4][5,8,6]] - Already visited Node!
[[1,7,2][3,4,6][5,8,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 21 - [[8,7,2][3,5,4][1,6,0]]

Generated Nodes :

[[8,7,2][3,5,0][1,6,4]] - $f(n) = 21 + 7 = 28$
[[8,7,2][3,5,4][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[1,5,2][7,0,8][3,6,4]]

Generated Nodes :

[[1,0,2][7,5,8][3,6,4]] - $f(n) = 21 + 6 = 27$
[[1,5,2][7,8,0][3,6,4]] - Already visited Node!
[[1,5,2][0,7,8][3,6,4]] - $f(n) = 21 + 7 = 28$
[[1,5,2][7,6,8][3,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,5,2][7,8,4][3,6,0]]

Generated Nodes :

[[1,5,2][7,8,0][3,6,4]] - Already visited Node!
[[1,5,2][7,8,4][3,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,8,0][7,2,5][3,6,4]]

Generated Nodes :

[[1,0,8][7,2,5][3,6,4]] - $f(n) = 21 + 7 = 28$
[[1,8,5][7,2,0][3,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[1,8,5][7,2,4][3,6,0]]

Generated Nodes :

[[1,8,5][7,2,0][3,6,4]] - Already visited Node!
[[1,8,5][7,2,4][3,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,8,5][3,7,2][0,6,4]]

Generated Nodes :

[[1,8,5][0,7,2][3,6,4]] - Already visited Node!
[[1,8,5][3,7,2][6,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,8,5][7,6,2][3,4,0]]

Generated Nodes :

[[1,8,5][7,6,0][3,4,2]] - $f(n) = 21 + 7 = 28$
[[1,8,5][7,6,2][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[1,8,5][7,6,2][0,3,4]]

Generated Nodes :

[[1,8,5][0,6,2][7,3,4]] - $f(n) = 21 + 6 = 27$
[[1,8,5][7,6,2][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[6,7,2][8,5,1][0,3,4]]

Generated Nodes :

[[6,7,2][0,5,1][8,3,4]] - Already visited Node!
[[6,7,2][8,5,1][3,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,7,5][8,0,2][3,4,6]]

Generated Nodes :

[[1,0,5][8,7,2][3,4,6]] - $f(n) = 21 + 7 = 28$
[[1,7,5][8,2,0][3,4,6]] - $f(n) = 21 + 7 = 28$
[[1,7,5][0,8,2][3,4,6]] - $f(n) = 21 + 7 = 28$
[[1,7,5][8,4,2][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[1,7,5][8,4,2][3,6,0]]

Generated Nodes :

[[1,7,5][8,4,0][3,6,2]] - $f(n) = 21 + 7 = 28$
[[1,7,5][8,4,2][3,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,5,2][4,7,0][1,8,6]]

Generated Nodes :

[[3,5,0][4,7,2][1,8,6]] - Already visited Node!
[[3,5,2][4,0,7][1,8,6]] - $f(n) = 22 + 6 = 28$
[[3,5,2][4,7,6][1,8,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[3,0,7][4,2,5][1,8,6]]

Generated Nodes :

[[3,7,0][4,2,5][1,8,6]] - Already visited Node!
[[0,3,7][4,2,5][1,8,6]] - $f(n) = 22 + 6 = 28$
[[3,2,7][4,0,5][1,8,6]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[8,2,7][4,1,0][3,6,5]]

Generated Nodes :

[[8,2,0][4,1,7][3,6,5]] - $f(n) = 22 + 6 = 28$
[[8,2,7][4,0,1][3,6,5]] - $f(n) = 22 + 6 = 28$
[[8,2,7][4,1,5][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,2,4][5,3,1][7,0,6]]

Generated Nodes :

[[8,2,4][5,0,1][7,3,6]] - Already visited Node!
[[8,2,4][5,3,1][7,6,0]] - $f(n) = 22 + 6 = 28$
[[8,2,4][5,3,1][0,7,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,2][1,8,6][7,4,3]]$

Generated Nodes :

$[[5,2,0][1,8,6][7,4,3]] - f(n) = 22 + 5 = 27$
 $[[0,5,2][1,8,6][7,4,3]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][1,0,6][7,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][0,1,6][7,4,3]]$

Generated Nodes :

$[[0,8,2][5,1,6][7,4,3]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][1,0,6][7,4,3]] - \text{Already visited Node!}$
 $[[5,8,2][7,1,6][0,4,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,2,4][0,7,6][5,3,1]]$

Generated Nodes :

$[[0,2,4][8,7,6][5,3,1]] - f(n) = 22 + 6 = 28$
 $[[8,2,4][7,0,6][5,3,1]] - f(n) = 22 + 6 = 28$
 $[[8,2,4][5,7,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,7,2][8,5,6][4,3,0]]$

Generated Nodes :

$[[1,7,2][8,5,0][4,3,6]] - f(n) = 23 + 6 = 29$
 $[[1,7,2][8,5,6][4,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,3,0][5,4,2][7,8,6]]$

Generated Nodes :

$[[1,0,3][5,4,2][7,8,6]] - f(n) = 23 + 4 = 27$
 $[[1,3,2][5,4,0][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,2,1][6,5,4][8,0,3]]$

Generated Nodes :

$[[7,2,1][6,0,4][8,5,3]] - f(n) = 22 + 7 = 29$
 $[[7,2,1][6,5,4][8,3,0]] - \text{Already visited Node!}$
 $[[7,2,1][6,5,4][0,8,3]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - $[[1,5,2][4,7,0][8,3,6]]$

Generated Nodes :

$[[1,5,0][4,7,2][8,3,6]] - \text{Already visited Node!}$

$[[1,5,2][4,0,7][8,3,6]] - f(n) = 22 + 6 = 28$
 $[[1,5,2][4,7,6][8,3,0]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - $[[1,0,7][4,2,5][8,3,6]]$

Generated Nodes :

$[[1,7,0][4,2,5][8,3,6]] - \text{Already visited Node!}$
 $[[0,1,7][4,2,5][8,3,6]] - f(n) = 22 + 7 = 29$
 $[[1,2,7][4,0,5][8,3,6]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - $[[1,7,5][4,3,0][8,6,2]]$

Generated Nodes :

$[[1,7,0][4,3,5][8,6,2]] - f(n) = 22 + 6 = 28$
 $[[1,7,5][4,0,3][8,6,2]] - f(n) = 22 + 6 = 28$
 $[[1,7,5][4,3,2][8,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,3,2][5,0,6][7,8,1]]$

Generated Nodes :

$[[4,0,2][5,3,6][7,8,1]] - \text{Already visited Node!}$
 $[[4,3,2][5,6,0][7,8,1]] - f(n) = 23 + 6 = 29$
 $[[4,3,2][0,5,6][7,8,1]] - f(n) = 23 + 4 = 27$
 $[[4,3,2][5,8,6][7,0,1]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,5,2][3,4,6][7,8,1]]$

Generated Nodes :

$[[5,0,2][3,4,6][7,8,1]] - \text{Already visited Node!}$
 $[[3,5,2][0,4,6][7,8,1]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 21 - $[[8,2,1][5,0,7][3,6,4]]$

Generated Nodes :

$[[8,0,1][5,2,7][3,6,4]] - f(n) = 21 + 8 = 29$
 $[[8,2,1][5,7,0][3,6,4]] - \text{Already visited Node!}$
 $[[8,2,1][0,5,7][3,6,4]] - f(n) = 21 + 6 = 27$
 $[[8,2,1][5,6,7][3,0,4]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[8,2,1][5,7,4][3,6,0]]$

Generated Nodes :

$[[8,2,1][5,7,0][3,6,4]] - \text{Already visited Node!}$
 $[[8,2,1][5,7,4][3,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,4,8][7,0,6][3,2,1]]$

Generated Nodes :

$[5,0,8][7,4,6][3,2,1] - f(n) = 21 + 7 = 28$
 $[5,4,8][7,6,0][3,2,1] - f(n) = 21 + 8 = 29$
 $[5,4,8][0,7,6][3,2,1] - f(n) = 21 + 7 = 28$
 $[5,4,8][7,2,6][3,0,1] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[5,4,8][7,2,6][0,3,1]$

Generated Nodes :

$[5,4,8][0,2,6][7,3,1] - f(n) = 21 + 6 = 27$
 $[5,4,8][7,2,6][3,0,1] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[8,7,5][3,0,6][1,2,4]$

Generated Nodes :

$[8,0,5][3,7,6][1,2,4] - f(n) = 21 + 7 = 28$
 $[8,7,5][3,6,0][1,2,4] - f(n) = 21 + 8 = 29$
 $[8,7,5][0,3,6][1,2,4] - f(n) = 21 + 7 = 28$
 $[8,7,5][3,2,6][1,0,4] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[8,7,5][3,2,6][0,1,4]$

Generated Nodes :

$[8,7,5][0,2,6][3,1,4] - f(n) = 21 + 7 = 28$
 $[8,7,5][3,2,6][1,0,4] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[4,5,2][7,8,6][0,3,1]$

Generated Nodes :

$[4,5,2][0,8,6][7,3,1] - \text{Already visited Node!}$
 $[4,5,2][7,8,6][3,0,1] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[4,8,5][7,0,6][3,2,1]$

Generated Nodes :

$[4,0,5][7,8,6][3,2,1] - \text{Already visited Node!}$
 $[4,8,5][7,6,0][3,2,1] - f(n) = 21 + 8 = 29$
 $[4,8,5][0,7,6][3,2,1] - f(n) = 21 + 7 = 28$
 $[4,8,5][7,2,6][3,0,1] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[4,8,5][7,2,6][0,3,1]$

Generated Nodes :

$[4,8,5][0,2,6][7,3,1] - f(n) = 21 + 6 = 27$

[[4,8,5][7,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][1,0,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] - $f(n) = 21 + 7 = 28$
[[7,4,5][1,6,0][8,2,3]] - $f(n) = 21 + 8 = 29$
[[7,4,5][0,1,6][8,2,3]] - $f(n) = 21 + 7 = 28$
[[7,4,5][1,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,0][4,2,8][3,1,6]]

Generated Nodes :

[[7,0,5][4,2,8][3,1,6]] - $f(n) = 21 + 7 = 28$
[[7,5,8][4,2,0][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,8][4,1,2][3,6,0]]

Generated Nodes :

[[7,5,8][4,1,0][3,6,2]] - $f(n) = 21 + 7 = 28$
[[7,5,8][4,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,8][4,1,2][0,3,6]]

Generated Nodes :

[[7,5,8][0,1,2][4,3,6]] - $f(n) = 21 + 8 = 29$
[[7,5,8][4,1,2][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,8][7,0,6][3,2,1]]

Generated Nodes :

[[5,0,8][7,4,6][3,2,1]] - $f(n) = 21 + 7 = 28$
[[5,4,8][7,6,0][3,2,1]] - $f(n) = 21 + 8 = 29$
[[5,4,8][0,7,6][3,2,1]] - $f(n) = 21 + 7 = 28$
[[5,4,8][7,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,8][7,2,6][0,3,1]]

Generated Nodes :

[[5,4,8][0,2,6][7,3,1]] - $f(n) = 21 + 6 = 27$
[[5,4,8][7,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][3,0,6][1,4,7]]

Generated Nodes :

$[[5,0,2][3,8,6][1,4,7]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][3,6,0][1,4,7]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][0,3,6][1,4,7]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][3,4,6][1,0,7]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,4,6][0,1,7]]$

Generated Nodes :

$[[5,8,2][0,4,6][3,1,7]] - f(n) = 21 + 7 = 28$
 $[[5,8,2][3,4,6][1,0,7]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,2,8][7,0,3][1,6,4]]$

Generated Nodes :

$[[5,0,8][7,2,3][1,6,4]] - f(n) = 21 + 8 = 29$
 $[[5,2,8][7,3,0][1,6,4]] - \text{Already visited Node!}$
 $[[5,2,8][0,7,3][1,6,4]] - f(n) = 21 + 7 = 28$
 $[[5,2,8][7,6,3][1,0,4]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[5,2,8][7,3,4][1,6,0]]$

Generated Nodes :

$[[5,2,8][7,3,0][1,6,4]] - \text{Already visited Node!}$
 $[[5,2,8][7,3,4][1,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[0,7,5][3,1,2][6,8,4]]$

Generated Nodes :

$[[7,0,5][3,1,2][6,8,4]] - \text{Already visited Node!}$
 $[[3,7,5][0,1,2][6,8,4]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[7,1,0][3,2,5][6,8,4]]$

Generated Nodes :

$[[7,0,1][3,2,5][6,8,4]] - f(n) = 21 + 7 = 28$
 $[[7,1,5][3,2,0][6,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,1,5][3,2,4][6,8,0]]$

Generated Nodes :

$[[7,1,5][3,2,0][6,8,4]] - \text{Already visited Node!}$
 $[[7,1,5][3,2,4][6,0,8]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,1,5][7,3,2][6,8,4]]$

Generated Nodes :

[[1,0,5][7,3,2][6,8,4]] - $f(n) = 21 + 6 = 27$
[[7,1,5][0,3,2][6,8,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][6,3,2][0,8,4]]

Generated Nodes :

[[7,1,5][0,3,2][6,8,4]] - Already visited Node!
[[7,1,5][6,3,2][8,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,0][8,1,6][3,4,2]]

Generated Nodes :

[[7,0,5][8,1,6][3,4,2]] - Already visited Node!
[[7,5,6][8,1,0][3,4,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][8,1,6][3,4,2]]

Generated Nodes :

[[7,0,5][8,1,6][3,4,2]] - Already visited Node!
[[8,7,5][0,1,6][3,4,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,1,5][7,8,6][3,4,2]]

Generated Nodes :

[[1,0,5][7,8,6][3,4,2]] - $f(n) = 21 + 6 = 27$
[[7,1,5][0,8,6][3,4,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][3,8,6][0,4,2]]

Generated Nodes :

[[7,1,5][0,8,6][3,4,2]] - Already visited Node!
[[7,1,5][3,8,6][4,0,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,1,5][8,4,6][3,2,0]]

Generated Nodes :

[[7,1,5][8,4,0][3,2,6]] - Already visited Node!
[[7,1,5][8,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][8,4,6][0,3,2]]

Generated Nodes :

[[7,1,5][0,4,6][8,3,2]] - $f(n) = 21 + 7 = 28$
[[7,1,5][8,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 21 – [[5,2,1][7,6,4][8,3,0]]

Generated Nodes :

[[5,2,1][7,6,0][8,3,4]] – Already visited Node!
[[5,2,1][7,6,4][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,4,5][1,0,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] – $f(n) = 21 + 7 = 28$
[[7,4,5][1,6,0][8,2,3]] – $f(n) = 21 + 8 = 29$
[[7,4,5][0,1,6][8,2,3]] – $f(n) = 21 + 7 = 28$
[[7,4,5][1,2,6][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,2][7,6,3][1,8,4]]

Generated Nodes :

[[5,0,2][7,6,3][1,8,4]] – $f(n) = 21 + 7 = 28$
[[7,5,2][0,6,3][1,8,4]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][6,0,3][1,8,4]]

Generated Nodes :

[[7,0,2][6,5,3][1,8,4]] – $f(n) = 21 + 6 = 27$
[[7,5,2][6,3,0][1,8,4]] – $f(n) = 21 + 7 = 28$
[[7,5,2][0,6,3][1,8,4]] – Already visited Node!
[[7,5,2][6,8,3][1,0,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 – [[7,5,3][0,4,2][1,8,6]]

Generated Nodes :

[[0,5,3][7,4,2][1,8,6]] – Already visited Node!
[[7,5,3][4,0,2][1,8,6]] – $f(n) = 22 + 5 = 27$
[[7,5,3][1,4,2][0,8,6]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[5,4,3][7,2,0][1,8,6]]

Generated Nodes :

[[5,4,0][7,2,3][1,8,6]] – Already visited Node!
[[5,4,3][7,0,2][1,8,6]] – Already visited Node!
[[5,4,3][7,2,6][1,8,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[5,4,3][0,7,2][1,8,6]]

Generated Nodes :

[[0,4,3][5,7,2][1,8,6]] - $f(n) = 22 + 6 = 28$
[[5,4,3][7,0,2][1,8,6]] - Already visited Node!
[[5,4,3][1,7,2][0,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,5,2][8,4,0][7,3,6]]

Generated Nodes :

[[1,5,0][8,4,2][7,3,6]] - $f(n) = 22 + 6 = 28$
[[1,5,2][8,0,4][7,3,6]] - Already visited Node!
[[1,5,2][8,4,6][7,3,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[1,5,2][8,3,4][7,0,6]]

Generated Nodes :

[[1,5,2][8,0,4][7,3,6]] - Already visited Node!
[[1,5,2][8,3,4][7,6,0]] - $f(n) = 22 + 6 = 28$
[[1,5,2][8,3,4][0,7,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,2,4][3,5,7][1,0,6]]

Generated Nodes :

[[8,2,4][3,0,7][1,5,6]] - $f(n) = 22 + 7 = 29$
[[8,2,4][3,5,7][1,6,0]] - $f(n) = 22 + 6 = 28$
[[8,2,4][3,5,7][0,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,4][5,0,6][8,7,3]]

Generated Nodes :

[[1,0,4][5,2,6][8,7,3]] - $f(n) = 23 + 6 = 29$
[[1,2,4][5,6,0][8,7,3]] - $f(n) = 23 + 6 = 29$
[[1,2,4][0,5,6][8,7,3]] - $f(n) = 23 + 4 = 27$
[[1,2,4][5,7,6][8,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,2][8,5,3][6,0,4]]

Generated Nodes :

[[1,7,2][8,0,3][6,5,4]] - $f(n) = 22 + 7 = 29$
[[1,7,2][8,5,3][6,4,0]] - $f(n) = 22 + 6 = 28$
[[1,7,2][8,5,3][0,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][5,0,6][7,1,3]]

Generated Nodes :

[[8,0,4][5,2,6][7,1,3]] - $f(n) = 23 + 6 = 29$
[[8,2,4][5,6,0][7,1,3]] - $f(n) = 23 + 6 = 29$

$[[8,2,4][0,5,6][7,1,3]] - f(n) = 23 + 4 = 27$
 $[[8,2,4][5,1,6][7,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,7,5][4,0,6][8,2,3]]$

Generated Nodes :

$[[1,0,5][4,7,6][8,2,3]] - f(n) = 23 + 5 = 28$
 $[[1,7,5][4,6,0][8,2,3]] - f(n) = 23 + 6 = 29$
 $[[1,7,5][0,4,6][8,2,3]] - f(n) = 23 + 6 = 29$
 $[[1,7,5][4,2,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,1][4,5,3][8,6,0]]$

Generated Nodes :

$[[7,2,1][4,5,0][8,6,3]] - \text{Already visited Node!}$
 $[[7,2,1][4,5,3][8,0,6]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - $[[7,8,2][4,5,0][3,1,6]]$

Generated Nodes :

$[[7,8,0][4,5,2][3,1,6]] - \text{Already visited Node!}$
 $[[7,8,2][4,0,5][3,1,6]] - f(n) = 22 + 7 = 29$
 $[[7,8,2][4,5,6][3,1,0]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 21 - $[[1,7,4][2,0,5][8,3,6]]$

Generated Nodes :

$[[1,0,4][2,7,5][8,3,6]] - f(n) = 21 + 7 = 28$
 $[[1,7,4][2,5,0][8,3,6]] - f(n) = 21 + 6 = 27$
 $[[1,7,4][0,2,5][8,3,6]] - \text{Already visited Node!}$
 $[[1,7,4][2,3,5][8,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[1,7,4][8,2,5][0,3,6]]$

Generated Nodes :

$[[1,7,4][0,2,5][8,3,6]] - \text{Already visited Node!}$
 $[[1,7,4][8,2,5][3,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - $[[4,7,2][0,3,6][5,8,1]]$

Generated Nodes :

$[[0,7,2][4,3,6][5,8,1]] - f(n) = 22 + 5 = 27$
 $[[4,7,2][3,0,6][5,8,1]] - f(n) = 22 + 6 = 28$
 $[[4,7,2][5,3,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,7,2][3,5,8][4,1,6]]$

Generated Nodes :

[[7,0,2][3,5,8][4,1,6]] - Already visited Node!
[[3,7,2][0,5,8][4,1,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,7,4][2,5,8][3,1,6]]

Generated Nodes :

[[7,0,4][2,5,8][3,1,6]] - Already visited Node!
[[2,7,4][0,5,8][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[2,7,4][3,5,8][0,1,6]]

Generated Nodes :

[[2,7,4][0,5,8][3,1,6]] - Already visited Node!
[[2,7,4][3,5,8][1,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,3,2][5,8,4][7,1,6]]

Generated Nodes :

[[3,0,2][5,8,4][7,1,6]] - $f(n) = 21 + 7 = 28$
[[5,3,2][0,8,4][7,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][8,0,4][7,1,6]]

Generated Nodes :

[[5,0,2][8,3,4][7,1,6]] - $f(n) = 21 + 7 = 28$
[[5,3,2][8,4,0][7,1,6]] - $f(n) = 21 + 7 = 28$
[[5,3,2][0,8,4][7,1,6]] - Already visited Node!
[[5,3,2][8,1,4][7,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[8,7,2][4,3,6][5,0,1]]

Generated Nodes :

[[8,7,2][4,0,6][5,3,1]] - Already visited Node!
[[8,7,2][4,3,6][5,1,0]] - $f(n) = 22 + 6 = 28$
[[8,7,2][4,3,6][0,5,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,1][8,4,6][3,0,5]]

Generated Nodes :

[[7,2,1][8,0,6][3,4,5]] - Already visited Node!
[[7,2,1][8,4,6][3,5,0]] - Already visited Node!
[[7,2,1][8,4,6][0,3,5]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[1,2,4][8,7,0][3,5,6]]

Generated Nodes :

[[1,2,0][8,7,4][3,5,6]] – Already visited Node!
[[1,2,4][8,0,7][3,5,6]] – $f(n) = 22 + 6 = 28$
[[1,2,4][8,7,6][3,5,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[1,7,2][8,4,6][3,0,5]]

Generated Nodes :

[[1,7,2][8,0,6][3,4,5]] – $f(n) = 22 + 6 = 28$
[[1,7,2][8,4,6][3,5,0]] – Already visited Node!
[[1,7,2][8,4,6][0,3,5]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 – [[0,7,4][2,5,6][3,8,1]]

Generated Nodes :

[[7,0,4][2,5,6][3,8,1]] – Already visited Node!
[[2,7,4][0,5,6][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[2,7,4][3,5,6][0,8,1]]

Generated Nodes :

[[2,7,4][0,5,6][3,8,1]] – Already visited Node!
[[2,7,4][3,5,6][8,0,1]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[0,8,4][2,5,6][7,3,1]]

Generated Nodes :

[[8,0,4][2,5,6][7,3,1]] – $f(n) = 23 + 5 = 28$
[[2,8,4][0,5,6][7,3,1]] – Already visited Node!

Node Chosen for Level 23 – [[0,2,4][5,3,6][7,1,8]]

Generated Nodes :

[[2,0,4][5,3,6][7,1,8]] – $f(n) = 23 + 6 = 29$
[[5,2,4][0,3,6][7,1,8]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,4][3,0,6][7,1,8]]

Generated Nodes :

[[5,0,4][3,2,6][7,1,8]] – $f(n) = 23 + 6 = 29$
[[5,2,4][3,6,0][7,1,8]] – $f(n) = 23 + 6 = 29$
[[5,2,4][0,3,6][7,1,8]] – Already visited Node!
[[5,2,4][3,1,6][7,0,8]] – $f(n) = 23 + 5 = 28$

Node Chosen for Level 22 – [[5,2,6][7,1,0][3,8,4]]

Generated Nodes :

[[5,2,0][7,1,6][3,8,4]] – $f(n) = 22 + 5 = 27$
[[5,2,6][7,0,1][3,8,4]] – Already visited Node!
[[5,2,6][7,1,4][3,8,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[5,2,6][0,7,1][3,8,4]]

Generated Nodes :

[[0,2,6][5,7,1][3,8,4]] – $f(n) = 22 + 6 = 28$
[[5,2,6][7,0,1][3,8,4]] – Already visited Node!
[[5,2,6][3,7,1][0,8,4]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 – [[7,4,0][2,5,8][3,1,6]]

Generated Nodes :

[[7,0,4][2,5,8][3,1,6]] – Already visited Node!
[[7,4,8][2,5,0][3,1,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,7,4][2,5,8][3,1,6]]

Generated Nodes :

[[7,0,4][2,5,8][3,1,6]] – Already visited Node!
[[2,7,4][0,5,8][3,1,6]] – Already visited Node!

Node Chosen for Level 22 – [[8,0,2][4,7,6][5,3,1]]

Generated Nodes :

[[8,2,0][4,7,6][5,3,1]] – $f(n) = 22 + 5 = 27$
[[0,8,2][4,7,6][5,3,1]] – $f(n) = 22 + 6 = 28$
[[8,7,2][4,0,6][5,3,1]] – Already visited Node!

Node Chosen for Level 22 – [[8,7,2][4,3,6][5,0,1]]

Generated Nodes :

[[8,7,2][4,0,6][5,3,1]] – Already visited Node!
[[8,7,2][4,3,6][5,1,0]] – $f(n) = 22 + 6 = 28$
[[8,7,2][4,3,6][0,5,1]] – Already visited Node!

Node Chosen for Level 22 – [[7,2,1][0,8,6][3,4,5]]

Generated Nodes :

[[0,2,1][7,8,6][3,4,5]] – $f(n) = 22 + 6 = 28$

[[7,2,1][8,0,6][3,4,5]] - Already visited Node!
[[7,2,1][3,8,6][0,4,5]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,2,1][8,4,6][3,0,5]]

Generated Nodes :

[[7,2,1][8,0,6][3,4,5]] - Already visited Node!
[[7,2,1][8,4,6][3,5,0]] - Already visited Node!
[[7,2,1][8,4,6][0,3,5]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[7,4,0][2,5,6][3,8,1]]

Generated Nodes :

[[7,0,4][2,5,6][3,8,1]] - Already visited Node!
[[7,4,6][2,5,0][3,8,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,7,4][2,5,6][3,8,1]]

Generated Nodes :

[[7,0,4][2,5,6][3,8,1]] - Already visited Node!
[[2,7,4][0,5,6][3,8,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,0][2,5,4][3,1,6]]

Generated Nodes :

[[8,0,7][2,5,4][3,1,6]] - $f(n) = 21 + 7 = 28$
[[8,7,4][2,5,0][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,4,2][7,5,8][3,1,6]]

Generated Nodes :

[[4,0,2][7,5,8][3,1,6]] - Already visited Node!
[[7,4,2][0,5,8][3,1,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[4,8,5][1,0,2][7,3,6]]

Generated Nodes :

[[4,0,5][1,8,2][7,3,6]] - $f(n) = 21 + 7 = 28$
[[4,8,5][1,2,0][7,3,6]] - $f(n) = 21 + 7 = 28$
[[4,8,5][0,1,2][7,3,6]] - Already visited Node!
[[4,8,5][1,3,2][7,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,1,0][8,5,4][3,6,2]]

Generated Nodes :

[[7,0,1][8,5,4][3,6,2]] - $f(n) = 21 + 7 = 28$
[[7,1,4][8,5,0][3,6,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,4][8,5,2][3,6,0]]

Generated Nodes :

[[7,1,4][8,5,0][3,6,2]] - Already visited Node!
[[7,1,4][8,5,2][3,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,4,8][5,1,2][7,3,6]]

Generated Nodes :

[[4,0,8][5,1,2][7,3,6]] - $f(n) = 21 + 7 = 28$
[[5,4,8][0,1,2][7,3,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,8][1,0,2][7,3,6]]

Generated Nodes :

[[5,0,8][1,4,2][7,3,6]] - Already visited Node!
[[5,4,8][1,2,0][7,3,6]] - $f(n) = 21 + 7 = 28$
[[5,4,8][0,1,2][7,3,6]] - Already visited Node!
[[5,4,8][1,3,2][7,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,8,2][5,6,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][0,6,1][7,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][6,0,1][7,3,4]]

Generated Nodes :

[[5,0,2][6,8,1][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][6,1,0][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][0,6,1][7,3,4]] - Already visited Node!
[[5,8,2][6,3,1][7,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,7,2][1,5,8][6,3,4]]

Generated Nodes :

[[7,0,2][1,5,8][6,3,4]] - Already visited Node!
[[1,7,2][0,5,8][6,3,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 - [[0,7,2][6,5,8][3,1,4]]

Generated Nodes :

[[7,0,2][6,5,8][3,1,4]] - Already visited Node!
[[6,7,2][0,5,8][3,1,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,8,5][3,7,2][0,6,4]]

Generated Nodes :

[[1,8,5][0,7,2][3,6,4]] - Already visited Node!
[[1,8,5][3,7,2][6,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,5,0][7,6,2][8,3,4]]

Generated Nodes :

[[1,0,5][7,6,2][8,3,4]] - Already visited Node!
[[1,5,2][7,6,0][8,3,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,6,5][7,0,2][8,3,4]]

Generated Nodes :

[[1,0,5][7,6,2][8,3,4]] - Already visited Node!
[[1,6,5][7,2,0][8,3,4]] - $f(n) = 21 + 7 = 28$
[[1,6,5][0,7,2][8,3,4]] - $f(n) = 21 + 7 = 28$
[[1,6,5][7,3,2][8,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,8,2][5,6,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][0,6,1][7,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,8,2][6,0,1][7,3,4]]

Generated Nodes :

[[5,0,2][6,8,1][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][6,1,0][7,3,4]] - $f(n) = 21 + 7 = 28$
[[5,8,2][0,6,1][7,3,4]] - Already visited Node!
[[5,8,2][6,3,1][7,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[0,7,2][3,5,8][6,4,1]]

Generated Nodes :

[[7,0,2][3,5,8][6,4,1]] - Already visited Node!
[[3,7,2][0,5,8][6,4,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[1,7,5][3,0,2][8,6,4]]

Generated Nodes :

$[1,0,5][3,7,2][8,6,4]$ - $f(n) = 21 + 7 = 28$
 $[1,7,5][3,2,0][8,6,4]$ - $f(n) = 21 + 7 = 28$
 $[1,7,5][0,3,2][8,6,4]$ - Already visited Node!
 $[1,7,5][3,6,2][8,0,4]$ - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[1,7,5][8,3,2][0,6,4]$

Generated Nodes :

$[1,7,5][0,3,2][8,6,4]$ - Already visited Node!
 $[1,7,5][8,3,2][6,0,4]$ - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - $[5,2,4][3,8,6][1,0,7]$

Generated Nodes :

$[5,2,4][3,0,6][1,8,7]$ - $f(n) = 22 + 5 = 27$
 $[5,2,4][3,8,6][1,7,0]$ - Already visited Node!
 $[5,2,4][3,8,6][0,1,7]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[7,0,5][3,4,6][2,8,1]$

Generated Nodes :

$[7,5,0][3,4,6][2,8,1]$ - $f(n) = 22 + 6 = 28$
 $[0,7,5][3,4,6][2,8,1]$ - $f(n) = 22 + 6 = 28$
 $[7,4,5][3,0,6][2,8,1]$ - Already visited Node!

Node Chosen for Level 22 - $[7,4,5][0,3,6][2,8,1]$

Generated Nodes :

$[0,4,5][7,3,6][2,8,1]$ - $f(n) = 22 + 6 = 28$
 $[7,4,5][3,0,6][2,8,1]$ - Already visited Node!
 $[7,4,5][2,3,6][0,8,1]$ - Already visited Node!

Node Chosen for Level 22 - $[4,2,5][0,7,6][8,3,1]$

Generated Nodes :

$[0,2,5][4,7,6][8,3,1]$ - $f(n) = 22 + 5 = 27$
 $[4,2,5][7,0,6][8,3,1]$ - Already visited Node!
 $[4,2,5][8,7,6][0,3,1]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[4,2,5][7,3,6][8,0,1]$

Generated Nodes :

$[4,2,5][7,0,6][8,3,1]$ - Already visited Node!
 $[4,2,5][7,3,6][8,1,0]$ - $f(n) = 22 + 6 = 28$

$[[4,2,5][7,3,6][0,8,1]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - $[[7,4,5][0,3,6][2,8,1]]$

Generated Nodes :

$[[0,4,5][7,3,6][2,8,1]] - f(n) = 22 + 6 = 28$
 $[[7,4,5][3,0,6][2,8,1]] - \text{Already visited Node!}$
 $[[7,4,5][2,3,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,1,2][5,4,6][7,0,3]]$

Generated Nodes :

$[[8,1,2][5,0,6][7,4,3]] - f(n) = 22 + 6 = 28$
 $[[8,1,2][5,4,6][7,3,0]] - \text{Already visited Node!}$
 $[[8,1,2][5,4,6][0,7,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,2,1][7,4,0][3,8,6]]$

Generated Nodes :

$[[5,2,0][7,4,1][3,8,6]] - f(n) = 22 + 6 = 28$
 $[[5,2,1][7,0,4][3,8,6]] - \text{Already visited Node!}$
 $[[5,2,1][7,4,6][3,8,0]] - f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - $[[5,2,1][0,7,4][3,8,6]]$

Generated Nodes :

$[[0,2,1][5,7,4][3,8,6]] - f(n) = 22 + 6 = 28$
 $[[5,2,1][7,0,4][3,8,6]] - \text{Already visited Node!}$
 $[[5,2,1][3,7,4][0,8,6]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,2,1][7,3,0][6,8,4]]$

Generated Nodes :

$[[5,2,0][7,3,1][6,8,4]] - \text{Already visited Node!}$
 $[[5,2,1][7,0,3][6,8,4]] - f(n) = 22 + 6 = 28$
 $[[5,2,1][7,3,4][6,8,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - $[[0,4,2][8,5,6][7,3,1]]$

Generated Nodes :

$[[4,0,2][8,5,6][7,3,1]] - f(n) = 23 + 5 = 28$
 $[[8,4,2][0,5,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,2,4][3,5,7][1,8,6]]$

Generated Nodes :

[[2,0,4][3,5,7][1,8,6]] - $f(n) = 23 + 6 = 29$
[[3,2,4][0,5,7][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,2,4][1,5,7][0,8,6]]

Generated Nodes :

[[3,2,4][0,5,7][1,8,6]] - Already visited Node!
[[3,2,4][1,5,7][8,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,2,4][8,5,7][0,3,6]]

Generated Nodes :

[[1,2,4][0,5,7][8,3,6]] - Already visited Node!
[[1,2,4][8,5,7][3,0,6]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[0,8,2][4,5,6][3,7,1]]

Generated Nodes :

[[8,0,2][4,5,6][3,7,1]] - Already visited Node!
[[4,8,2][0,5,6][3,7,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,2,4][8,5,1][7,3,6]]

Generated Nodes :

[[2,0,4][8,5,1][7,3,6]] - $f(n) = 23 + 6 = 29$
[[8,2,4][0,5,1][7,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][8,5,6][3,7,1]]

Generated Nodes :

[[2,0,4][8,5,6][3,7,1]] - $f(n) = 23 + 6 = 29$
[[8,2,4][0,5,6][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][3,5,6][0,7,1]]

Generated Nodes :

[[8,2,4][0,5,6][3,7,1]] - Already visited Node!
[[8,2,4][3,5,6][7,0,1]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 24 - [[7,2,3][0,5,4][1,8,6]]

Generated Nodes :

[[0,2,3][7,5,4][1,8,6]] - $f(n) = 24 + 4 = 28$
[[7,2,3][5,0,4][1,8,6]] - $f(n) = 24 + 5 = 29$

[[7,2,3][1,5,4][0,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,5,2][0,7,6][3,8,1]]

Generated Nodes :

[[0,5,2][4,7,6][3,8,1]] - $f(n) = 22 + 5 = 27$
[[4,5,2][7,0,6][3,8,1]] - Already visited Node!
[[4,5,2][3,7,6][0,8,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,4,5][0,2,6][1,8,3]]

Generated Nodes :

[[0,4,5][7,2,6][1,8,3]] - $f(n) = 22 + 6 = 28$
[[7,4,5][2,0,6][1,8,3]] - $f(n) = 22 + 6 = 28$
[[7,4,5][1,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,8][4,2,6][3,0,1]]

Generated Nodes :

[[7,5,8][4,0,6][3,2,1]] - $f(n) = 22 + 6 = 28$
[[7,5,8][4,2,6][3,1,0]] - Already visited Node!
[[7,5,8][4,2,6][0,3,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,4][3,8,6][1,0,7]]

Generated Nodes :

[[5,2,4][3,0,6][1,8,7]] - $f(n) = 22 + 5 = 27$
[[5,2,4][3,8,6][1,7,0]] - Already visited Node!
[[5,2,4][3,8,6][0,1,7]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,1][0,7,6][8,3,4]]

Generated Nodes :

[[0,2,1][5,7,6][8,3,4]] - $f(n) = 22 + 6 = 28$
[[5,2,1][7,0,6][8,3,4]] - Already visited Node!
[[5,2,1][8,7,6][0,3,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,1][7,3,6][8,0,4]]

Generated Nodes :

[[5,2,1][7,0,6][8,3,4]] - Already visited Node!
[[5,2,1][7,3,6][8,4,0]] - $f(n) = 22 + 6 = 28$
[[5,2,1][7,3,6][0,8,4]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[7,4,5][0,2,6][1,8,3]]

Generated Nodes :

[[0,4,5][7,2,6][1,8,3]] - $f(n) = 22 + 6 = 28$
[[7,4,5][2,0,6][1,8,3]] - $f(n) = 22 + 6 = 28$
[[7,4,5][1,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,2,4][0,7,6][5,8,3]]

Generated Nodes :

[[0,2,4][1,7,6][5,8,3]] - $f(n) = 24 + 5 = 29$
[[1,2,4][7,0,6][5,8,3]] - $f(n) = 24 + 4 = 28$
[[1,2,4][5,7,6][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,2][4,7,6][5,8,3]]

Generated Nodes :

[[1,2,0][4,7,6][5,8,3]] - $f(n) = 24 + 3 = 27$
[[0,1,2][4,7,6][5,8,3]] - $f(n) = 24 + 5 = 29$
[[1,7,2][4,0,6][5,8,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,8][3,5,0][4,1,6]]

Generated Nodes :

[[7,2,0][3,5,8][4,1,6]] - Already visited Node!
[[7,2,8][3,0,5][4,1,6]] - $f(n) = 22 + 7 = 29$
[[7,2,8][3,5,6][4,1,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 23 - [[0,2,6][5,3,4][7,8,1]]

Generated Nodes :

[[2,0,6][5,3,4][7,8,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][0,3,4][7,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][3,0,4][7,8,1]]

Generated Nodes :

[[5,0,6][3,2,4][7,8,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][3,4,0][7,8,1]] - $f(n) = 23 + 5 = 28$
[[5,2,6][0,3,4][7,8,1]] - Already visited Node!
[[5,2,6][3,8,4][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,2,6][5,4,1][7,8,3]]

Generated Nodes :

[[2,0,6][5,4,1][7,8,3]] - $f(n) = 23 + 6 = 29$
[[5,2,6][0,4,1][7,8,3]] - Already visited Node!

Node Chosen for Level 22 – [[8,7,4][2,5,6][3,0,1]]

Generated Nodes :

[[8,7,4][2,0,6][3,5,1]] – $f(n) = 22 + 7 = 29$
[[8,7,4][2,5,6][3,1,0]] – Already visited Node!
[[8,7,4][2,5,6][0,3,1]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[4,2,8][7,5,0][3,1,6]]

Generated Nodes :

[[4,2,0][7,5,8][3,1,6]] – Already visited Node!
[[4,2,8][7,0,5][3,1,6]] – $f(n) = 22 + 7 = 29$
[[4,2,8][7,5,6][3,1,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 – [[8,0,5][4,1,2][7,3,6]]

Generated Nodes :

[[8,5,0][4,1,2][7,3,6]] – $f(n) = 22 + 6 = 28$
[[0,8,5][4,1,2][7,3,6]] – Already visited Node!
[[8,1,5][4,0,2][7,3,6]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,8][1,5,0][6,3,4]]

Generated Nodes :

[[7,2,0][1,5,8][6,3,4]] – Already visited Node!
[[7,2,8][1,0,5][6,3,4]] – $f(n) = 22 + 7 = 29$
[[7,2,8][1,5,4][6,3,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,8][6,5,0][3,1,4]]

Generated Nodes :

[[7,2,0][6,5,8][3,1,4]] – Already visited Node!
[[7,2,8][6,0,5][3,1,4]] – $f(n) = 22 + 7 = 29$
[[7,2,8][6,5,4][3,1,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,8][3,5,0][6,4,1]]

Generated Nodes :

[[7,2,0][3,5,8][6,4,1]] – Already visited Node!
[[7,2,8][3,0,5][6,4,1]] – $f(n) = 22 + 7 = 29$
[[7,2,8][3,5,1][6,4,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 – [[0,4,2][7,5,6][3,8,1]]

Generated Nodes :

[[4,0,2][7,5,6][3,8,1]] - Already visited Node!
[[7,4,2][0,5,6][3,8,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - [[1,2,4][8,5,0][7,3,6]]

Generated Nodes :

[[1,2,0][8,5,4][7,3,6]] - Already visited Node!
[[1,2,4][8,0,5][7,3,6]] - $f(n) = 24 + 5 = 29$
[[1,2,4][8,5,6][7,3,0]] - $f(n) = 24 + 3 = 27$

Node Chosen for Level 24 - [[1,2,4][8,5,0][7,3,6]]

Generated Nodes :

[[1,2,0][8,5,4][7,3,6]] - Already visited Node!
[[1,2,4][8,0,5][7,3,6]] - $f(n) = 24 + 5 = 29$
[[1,2,4][8,5,6][7,3,0]] - $f(n) = 24 + 3 = 27$

Node Chosen for Level 24 - [[5,2,6][4,1,0][7,8,3]]

Generated Nodes :

[[5,2,0][4,1,6][7,8,3]] - Already visited Node!
[[5,2,6][4,0,1][7,8,3]] - Already visited Node!
[[5,2,6][4,1,3][7,8,0]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 21 - [[3,2,0][1,7,4][8,5,6]]

Generated Nodes :

[[3,0,2][1,7,4][8,5,6]] - Already visited Node!
[[3,2,4][1,7,0][8,5,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,7,2][1,4,6][8,5,0]]

Generated Nodes :

[[3,7,2][1,4,0][8,5,6]] - Already visited Node!
[[3,7,2][1,4,6][8,0,5]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[1,7,4][0,2,6][8,5,3]]

Generated Nodes :

[[0,7,4][1,2,6][8,5,3]] - Already visited Node!
[[1,7,4][2,0,6][8,5,3]] - $f(n) = 22 + 6 = 28$
[[1,7,4][8,2,6][0,5,3]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,2,4][0,6,1][7,3,8]]

Generated Nodes :

[[0,2,4][5,6,1][7,3,8]] - $f(n) = 22 + 6 = 28$
[[5,2,4][6,0,1][7,3,8]] - $f(n) = 22 + 6 = 28$
[[5,2,4][7,6,1][0,3,8]] - Already visited Node!

Node Chosen for Level 22 - [[2,3,4][7,5,0][1,8,6]]

Generated Nodes :

[[2,3,0][7,5,4][1,8,6]] - $f(n) = 22 + 6 = 28$
[[2,3,4][7,0,5][1,8,6]] - Already visited Node!
[[2,3,4][7,5,6][1,8,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 23 - [[7,2,4][5,1,6][3,8,0]]

Generated Nodes :

[[7,2,4][5,1,0][3,8,6]] - $f(n) = 23 + 6 = 29$
[[7,2,4][5,1,6][3,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][4,1,6][8,5,3]]

Generated Nodes :

[[7,0,2][4,1,6][8,5,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][4,1,0][8,5,3]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,0][3,7,1][6,5,4]]

Generated Nodes :

[[8,0,2][3,7,1][6,5,4]] - Already visited Node!
[[8,2,1][3,7,0][6,5,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,2,0][5,7,8][1,6,4]]

Generated Nodes :

[[3,0,2][5,7,8][1,6,4]] - Already visited Node!
[[3,2,8][5,7,0][1,6,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[5,4,3][7,2,0][1,8,6]]

Generated Nodes :

[[5,4,0][7,2,3][1,8,6]] - Already visited Node!
[[5,4,3][7,0,2][1,8,6]] - Already visited Node!
[[5,4,3][7,2,6][1,8,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[5,2,4][0,8,3][7,1,6]]

Generated Nodes :

$[[0,2,4][5,8,3][7,1,6]] - f(n) = 22 + 6 = 28$
 $[[5,2,4][8,0,3][7,1,6]] - f(n) = 22 + 6 = 28$
 $[[5,2,4][7,8,3][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,2,0][5,7,6][4,8,1]]$

Generated Nodes :

$[[3,0,2][5,7,6][4,8,1]] - \text{Already visited Node!}$
 $[[3,2,6][5,7,0][4,8,1]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[2,1,4][0,5,8][7,3,6]]$

Generated Nodes :

$[[0,1,4][2,5,8][7,3,6]] - f(n) = 22 + 6 = 28$
 $[[2,1,4][5,0,8][7,3,6]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,8][0,3,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,5,4][0,2,8][7,3,6]]$

Generated Nodes :

$[[0,5,4][1,2,8][7,3,6]] - \text{Already visited Node!}$
 $[[1,5,4][2,0,8][7,3,6]] - f(n) = 22 + 6 = 28$
 $[[1,5,4][7,2,8][0,3,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 24 - $[[2,1,4][0,5,6][7,8,3]]$

Generated Nodes :

$[[0,1,4][2,5,6][7,8,3]] - f(n) = 24 + 4 = 28$
 $[[2,1,4][5,0,6][7,8,3]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,6][0,8,3]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[1,5,4][0,2,6][7,8,3]]$

Generated Nodes :

$[[0,5,4][1,2,6][7,8,3]] - \text{Already visited Node!}$
 $[[1,5,4][2,0,6][7,8,3]] - f(n) = 24 + 4 = 28$
 $[[1,5,4][7,2,6][0,8,3]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 22 - $[[8,2,6][0,5,7][3,4,1]]$

Generated Nodes :

$[[0,2,6][8,5,7][3,4,1]] - f(n) = 22 + 6 = 28$
 $[[8,2,6][5,0,7][3,4,1]] - \text{Already visited Node!}$
 $[[8,2,6][3,5,7][0,4,1]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,0,2][6,5,1][4,8,3]]

Generated Nodes :

[[7,2,0][6,5,1][4,8,3]] – $f(n) = 22 + 5 = 27$
[[0,7,2][6,5,1][4,8,3]] – $f(n) = 22 + 6 = 28$
[[7,5,2][6,0,1][4,8,3]] – Already visited Node!

Node Chosen for Level 22 – [[5,3,2][0,4,6][7,1,8]]

Generated Nodes :

[[0,3,2][5,4,6][7,1,8]] – $f(n) = 22 + 6 = 28$
[[5,3,2][4,0,6][7,1,8]] – $f(n) = 22 + 5 = 27$
[[5,3,2][7,4,6][0,1,8]] – Already visited Node!

Node Chosen for Level 23 – [[1,2,0][5,7,6][8,4,3]]

Generated Nodes :

[[1,0,2][5,7,6][8,4,3]] – Already visited Node!
[[1,2,6][5,7,0][8,4,3]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[7,2,3][1,6,5][0,8,4]]

Generated Nodes :

[[7,2,3][0,6,5][1,8,4]] – $f(n) = 23 + 5 = 28$
[[7,2,3][1,6,5][8,0,4]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][4,3,8][0,1,6]]

Generated Nodes :

[[7,5,2][0,3,8][4,1,6]] – Already visited Node!
[[7,5,2][4,3,8][1,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,4,2][7,6,1][0,8,3]]

Generated Nodes :

[[5,4,2][0,6,1][7,8,3]] – $f(n) = 21 + 6 = 27$
[[5,4,2][7,6,1][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[2,4,8][5,7,6][3,1,0]]

Generated Nodes :

[[2,4,8][5,7,0][3,1,6]] – Already visited Node!
[[2,4,8][5,7,6][3,0,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[2,7,4][5,8,6][3,1,0]]

Generated Nodes :

[[2,7,4][5,8,0][3,1,6]] – Already visited Node!
[[2,7,4][5,8,6][3,0,1]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[8,7,5][1,2,6][4,3,0]]

Generated Nodes :

[[8,7,5][1,2,0][4,3,6]] – Already visited Node!
[[8,7,5][1,2,6][4,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,4,1][7,2,6][8,3,0]]

Generated Nodes :

[[5,4,1][7,2,0][8,3,6]] – Already visited Node!
[[5,4,1][7,2,6][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 23 – [[7,2,6][1,5,3][0,8,4]]

Generated Nodes :

[[7,2,6][0,5,3][1,8,4]] – $f(n) = 23 + 5 = 28$
[[7,2,6][1,5,3][8,0,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,7,4][2,5,0][1,8,6]]

Generated Nodes :

[[3,7,0][2,5,4][1,8,6]] – $f(n) = 22 + 6 = 28$
[[3,7,4][2,0,5][1,8,6]] – Already visited Node!
[[3,7,4][2,5,6][1,8,0]] – $f(n) = 22 + 5 = 27$

Node Chosen for Level 23 – [[7,2,4][1,3,6][5,8,0]]

Generated Nodes :

[[7,2,4][1,3,0][5,8,6]] – $f(n) = 23 + 6 = 29$
[[7,2,4][1,3,6][5,0,8]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,0][4,3,6][8,1,5]]

Generated Nodes :

[[7,0,2][4,3,6][8,1,5]] – $f(n) = 23 + 6 = 29$
[[7,2,6][4,3,0][8,1,5]] – Already visited Node!

Node Chosen for Level 22 – [[5,2,6][0,4,8][7,3,1]]

Generated Nodes :

[[0,2,6][5,4,8][7,3,1]] - $f(n) = 22 + 6 = 28$
[[5,2,6][4,0,8][7,3,1]] - Already visited Node!
[[5,2,6][7,4,8][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][0,8,1][7,3,4]]

Generated Nodes :

[[0,2,6][5,8,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[5,2,6][8,0,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[5,2,6][7,8,1][0,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,4][2,8,6][3,1,0]]

Generated Nodes :

[[7,5,4][2,8,0][3,1,6]] - Already visited Node!
[[7,5,4][2,8,6][3,0,1]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 22 - [[3,4,7][0,5,2][1,8,6]]

Generated Nodes :

[[0,4,7][3,5,2][1,8,6]] - $f(n) = 22 + 6 = 28$
[[3,4,7][5,0,2][1,8,6]] - Already visited Node!
[[3,4,7][1,5,2][0,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,4,7][0,5,2][8,3,6]]

Generated Nodes :

[[0,4,7][1,5,2][8,3,6]] - $f(n) = 22 + 7 = 29$
[[1,4,7][5,0,2][8,3,6]] - Already visited Node!
[[1,4,7][8,5,2][0,3,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[5,3,2][4,7,6][0,8,1]]

Generated Nodes :

[[5,3,2][0,7,6][4,8,1]] - Already visited Node!
[[5,3,2][4,7,6][8,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[7,0,2][1,5,6][4,3,8]]

Generated Nodes :

[[7,2,0][1,5,6][4,3,8]] - $f(n) = 22 + 5 = 27$
[[0,7,2][1,5,6][4,3,8]] - $f(n) = 22 + 6 = 28$
[[7,5,2][1,0,6][4,3,8]] - Already visited Node!

Node Chosen for Level 21 – [[8,5,2][3,7,6][1,4,0]]

Generated Nodes :

[[8,5,2][3,7,0][1,4,6]] – Already visited Node!
[[8,5,2][3,7,6][1,0,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[8,2,7][3,0,5][1,4,6]]

Generated Nodes :

[[8,0,7][3,2,5][1,4,6]] – Already visited Node!
[[8,2,7][3,5,0][1,4,6]] – $f(n) = 21 + 6 = 27$
[[8,2,7][0,3,5][1,4,6]] – $f(n) = 21 + 7 = 28$
[[8,2,7][3,4,5][1,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[0,5,2][4,7,8][3,1,6]]

Generated Nodes :

[[5,0,2][4,7,8][3,1,6]] – $f(n) = 21 + 7 = 28$
[[4,5,2][0,7,8][3,1,6]] – Already visited Node!

Node Chosen for Level 21 – [[4,2,8][7,0,5][3,1,6]]

Generated Nodes :

[[4,0,8][7,2,5][3,1,6]] – Already visited Node!
[[4,2,8][7,5,0][3,1,6]] – Already visited Node!
[[4,2,8][0,7,5][3,1,6]] – $f(n) = 21 + 7 = 28$
[[4,2,8][7,1,5][3,0,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[7,4,5][3,0,1][6,8,2]]

Generated Nodes :

[[7,0,5][3,4,1][6,8,2]] – $f(n) = 21 + 7 = 28$
[[7,4,5][3,1,0][6,8,2]] – $f(n) = 21 + 7 = 28$
[[7,4,5][0,3,1][6,8,2]] – $f(n) = 21 + 7 = 28$
[[7,4,5][3,8,1][6,0,2]] – Already visited Node!

Node Chosen for Level 21 – [[4,5,2][7,1,6][8,3,0]]

Generated Nodes :

[[4,5,2][7,1,0][8,3,6]] – Already visited Node!
[[4,5,2][7,1,6][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[4,1,5][7,2,6][8,3,0]]

Generated Nodes :

[[4,1,5][7,2,0][8,3,6]] - Already visited Node!
[[4,1,5][7,2,6][8,0,3]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[4,1,5][7,3,2][0,8,6]]

Generated Nodes :

[[4,1,5][0,3,2][7,8,6]] - $f(n) = 21 + 6 = 27$
[[4,1,5][7,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,2,0][5,3,4][1,7,6]]

Generated Nodes :

[[8,0,2][5,3,4][1,7,6]] - Already visited Node!
[[8,2,4][5,3,0][1,7,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,2,0][3,8,7][1,6,4]]

Generated Nodes :

[[5,0,2][3,8,7][1,6,4]] - Already visited Node!
[[5,2,7][3,8,0][1,6,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,7,5][1,0,2][6,8,4]]

Generated Nodes :

[[3,0,5][1,7,2][6,8,4]] - $f(n) = 21 + 7 = 28$
[[3,7,5][1,2,0][6,8,4]] - $f(n) = 21 + 7 = 28$
[[3,7,5][0,1,2][6,8,4]] - $f(n) = 21 + 7 = 28$
[[3,7,5][1,8,2][6,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,8,5][3,0,6][1,4,2]]

Generated Nodes :

[[7,0,5][3,8,6][1,4,2]] - $f(n) = 21 + 7 = 28$
[[7,8,5][3,6,0][1,4,2]] - Already visited Node!
[[7,8,5][0,3,6][1,4,2]] - $f(n) = 21 + 7 = 28$
[[7,8,5][3,4,6][1,0,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[5,2,0][7,6,8][3,1,4]]

Generated Nodes :

[[5,0,2][7,6,8][3,1,4]] - Already visited Node!
[[5,2,8][7,6,0][3,1,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[8,2,7][1,0,5][3,6,4]]

Generated Nodes :

[[8,0,7][1,2,5][3,6,4]] - Already visited Node!
[[8,2,7][1,5,0][3,6,4]] - $f(n) = 21 + 6 = 27$
[[8,2,7][0,1,5][3,6,4]] - $f(n) = 21 + 7 = 28$
[[8,2,7][1,6,5][3,0,4]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[8,7,5][1,0,6][3,4,2]]

Generated Nodes :

[[8,0,5][1,7,6][3,4,2]] - $f(n) = 21 + 7 = 28$
[[8,7,5][1,6,0][3,4,2]] - Already visited Node!
[[8,7,5][0,1,6][3,4,2]] - $f(n) = 21 + 7 = 28$
[[8,7,5][1,4,6][3,0,2]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,1,5][8,4,6][3,2,0]]

Generated Nodes :

[[7,1,5][8,4,0][3,2,6]] - Already visited Node!
[[7,1,5][8,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][6,3,2][0,8,4]]

Generated Nodes :

[[7,1,5][0,3,2][6,8,4]] - Already visited Node!
[[7,1,5][6,3,2][8,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,6,2][7,3,1][0,8,4]]

Generated Nodes :

[[5,6,2][0,3,1][7,8,4]] - $f(n) = 21 + 6 = 27$
[[5,6,2][7,3,1][8,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][6,1,4][0,8,3]]

Generated Nodes :

[[7,5,2][0,1,4][6,8,3]] - $f(n) = 21 + 7 = 28$
[[7,5,2][6,1,4][8,0,3]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,1][4,0,2][8,3,6]]

Generated Nodes :

[[7,0,1][4,5,2][8,3,6]] - $f(n) = 21 + 6 = 27$
[[7,5,1][4,2,0][8,3,6]] - $f(n) = 21 + 7 = 28$
[[7,5,1][0,4,2][8,3,6]] - Already visited Node!
[[7,5,1][4,3,2][8,0,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,4,1][7,2,6][8,3,0]]

Generated Nodes :

[[5,4,1][7,2,0][8,3,6]] – Already visited Node!
[[5,4,1][7,2,6][8,0,3]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,4,1][7,3,2][0,8,6]]

Generated Nodes :

[[5,4,1][0,3,2][7,8,6]] – $f(n) = 21 + 6 = 27$
[[5,4,1][7,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,2,0][8,1,4][3,7,6]]

Generated Nodes :

[[5,0,2][8,1,4][3,7,6]] – Already visited Node!
[[5,2,4][8,1,0][3,7,6]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,1,2][8,4,6][3,7,0]]

Generated Nodes :

[[5,1,2][8,4,0][3,7,6]] – Already visited Node!
[[5,1,2][8,4,6][3,0,7]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[5,2,0][7,1,3][8,6,4]]

Generated Nodes :

[[5,0,2][7,1,3][8,6,4]] – Already visited Node!
[[5,2,3][7,1,0][8,6,4]] – $f(n) = 21 + 6 = 27$

Node Chosen for Level 21 – [[5,1,2][7,6,3][0,8,4]]

Generated Nodes :

[[5,1,2][0,6,3][7,8,4]] – $f(n) = 21 + 6 = 27$
[[5,1,2][7,6,3][8,0,4]] – Already visited Node!

Node Chosen for Level 21 – [[7,3,5][1,6,2][0,8,4]]

Generated Nodes :

[[7,3,5][0,6,2][1,8,4]] – $f(n) = 21 + 7 = 28$
[[7,3,5][1,6,2][8,0,4]] – Already visited Node!

Node Chosen for Level 21 – [[5,2,0][7,1,3][8,6,4]]

Generated Nodes :

[[5,0,2][7,1,3][8,6,4]] - Already visited Node!
[[5,2,3][7,1,0][8,6,4]] - $f(n) = 21 + 6 = 27$

Node Chosen for Level 22 - [[5,2,4][0,6,1][7,3,8]]

Generated Nodes :

[[0,2,4][5,6,1][7,3,8]] - $f(n) = 22 + 6 = 28$
[[5,2,4][6,0,1][7,3,8]] - $f(n) = 22 + 6 = 28$
[[5,2,4][7,6,1][0,3,8]] - Already visited Node!

Node Chosen for Level 22 - [[8,1,7][4,5,0][3,6,2]]

Generated Nodes :

[[8,1,0][4,5,7][3,6,2]] - $f(n) = 22 + 6 = 28$
[[8,1,7][4,0,5][3,6,2]] - Already visited Node!
[[8,1,7][4,5,2][3,6,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,0,2][8,5,6][4,1,3]]

Generated Nodes :

[[7,2,0][8,5,6][4,1,3]] - $f(n) = 22 + 5 = 27$
[[0,7,2][8,5,6][4,1,3]] - $f(n) = 22 + 6 = 28$
[[7,5,2][8,0,6][4,1,3]] - Already visited Node!

Node Chosen for Level 22 - [[1,5,8][0,4,2][7,3,6]]

Generated Nodes :

[[0,5,8][1,4,2][7,3,6]] - Already visited Node!
[[1,5,8][4,0,2][7,3,6]] - $f(n) = 22 + 5 = 27$
[[1,5,8][7,4,2][0,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[5,3,2][4,7,6][0,8,1]]

Generated Nodes :

[[5,3,2][0,7,6][4,8,1]] - Already visited Node!
[[5,3,2][4,7,6][8,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[3,7,2][1,5,6][4,8,0]]

Generated Nodes :

[[3,7,2][1,5,0][4,8,6]] - $f(n) = 23 + 6 = 29$
[[3,7,2][1,5,6][4,0,8]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,1][0,6,8][7,3,4]]

Generated Nodes :

[[0,2,1][5,6,8][7,3,4]] - $f(n) = 22 + 6 = 28$
[[5,2,1][6,0,8][7,3,4]] - $f(n) = 22 + 6 = 28$
[[5,2,1][7,6,8][0,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,1][0,8,4][7,3,6]]

Generated Nodes :

[[0,2,1][5,8,4][7,3,6]] - $f(n) = 22 + 6 = 28$
[[5,2,1][8,0,4][7,3,6]] - $f(n) = 22 + 6 = 28$
[[5,2,1][7,8,4][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,4][5,3,7][0,8,6]]

Generated Nodes :

[[1,2,4][0,3,7][5,8,6]] - $f(n) = 23 + 5 = 28$
[[1,2,4][5,3,7][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,0][5,7,6][8,4,3]]

Generated Nodes :

[[1,0,2][5,7,6][8,4,3]] - Already visited Node!
[[1,2,6][5,7,0][8,4,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,2,0][3,7,4][5,8,6]]

Generated Nodes :

[[1,0,2][3,7,4][5,8,6]] - Already visited Node!
[[1,2,4][3,7,0][5,8,6]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,7,2][3,4,6][5,8,0]]

Generated Nodes :

[[1,7,2][3,4,0][5,8,6]] - Already visited Node!
[[1,7,2][3,4,6][5,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[1,0,2][7,5,8][3,6,4]]

Generated Nodes :

[[1,2,0][7,5,8][3,6,4]] - $f(n) = 22 + 5 = 27$
[[0,1,2][7,5,8][3,6,4]] - $f(n) = 22 + 7 = 29$
[[1,5,2][7,0,8][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,8,5][0,6,2][7,3,4]]

Generated Nodes :

[[0,8,5][1,6,2][7,3,4]] - $f(n) = 22 + 7 = 29$
[[1,8,5][6,0,2][7,3,4]] - $f(n) = 22 + 6 = 28$
[[1,8,5][7,6,2][0,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[3,5,2][4,7,6][1,8,0]]

Generated Nodes :

[[3,5,2][4,7,0][1,8,6]] - Already visited Node!
[[3,5,2][4,7,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[3,2,7][4,0,5][1,8,6]]

Generated Nodes :

[[3,0,7][4,2,5][1,8,6]] - Already visited Node!
[[3,2,7][4,5,0][1,8,6]] - $f(n) = 23 + 4 = 27$
[[3,2,7][0,4,5][1,8,6]] - $f(n) = 23 + 6 = 29$
[[3,2,7][4,8,5][1,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,0][1,8,6][7,4,3]]

Generated Nodes :

[[5,0,2][1,8,6][7,4,3]] - Already visited Node!
[[5,2,6][1,8,0][7,4,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[1,0,3][5,4,2][7,8,6]]

Generated Nodes :

[[1,3,0][5,4,2][7,8,6]] - Already visited Node!
[[0,1,3][5,4,2][7,8,6]] - $f(n) = 24 + 5 = 29$
[[1,4,3][5,0,2][7,8,6]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - [[7,2,1][6,5,4][0,8,3]]

Generated Nodes :

[[7,2,1][0,5,4][6,8,3]] - $f(n) = 23 + 5 = 28$
[[7,2,1][6,5,4][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[1,5,2][4,7,6][8,3,0]]

Generated Nodes :

[[1,5,2][4,7,0][8,3,6]] - Already visited Node!
[[1,5,2][4,7,6][8,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,2,7][4,0,5][8,3,6]]

Generated Nodes :

[[1,0,7][4,2,5][8,3,6]] - Already visited Node!
[[1,2,7][4,5,0][8,3,6]] - $f(n) = 23 + 4 = 27$
[[1,2,7][0,4,5][8,3,6]] - $f(n) = 23 + 6 = 29$
[[1,2,7][4,3,5][8,0,6]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - [[4,3,2][0,5,6][7,8,1]]

Generated Nodes :

[[0,3,2][4,5,6][7,8,1]] - $f(n) = 24 + 3 = 27$
[[4,3,2][5,0,6][7,8,1]] - Already visited Node!
[[4,3,2][7,5,6][0,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 22 - [[8,2,1][0,5,7][3,6,4]]

Generated Nodes :

[[0,2,1][8,5,7][3,6,4]] - $f(n) = 22 + 6 = 28$
[[8,2,1][5,0,7][3,6,4]] - Already visited Node!
[[8,2,1][3,5,7][0,6,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,4,8][0,2,6][7,3,1]]

Generated Nodes :

[[0,4,8][5,2,6][7,3,1]] - $f(n) = 22 + 6 = 28$
[[5,4,8][2,0,6][7,3,1]] - $f(n) = 22 + 6 = 28$
[[5,4,8][7,2,6][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,5][0,2,6][7,3,1]]

Generated Nodes :

[[0,8,5][4,2,6][7,3,1]] - $f(n) = 22 + 5 = 27$
[[4,8,5][2,0,6][7,3,1]] - $f(n) = 22 + 6 = 28$
[[4,8,5][7,2,6][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,8][0,2,6][7,3,1]]

Generated Nodes :

[[0,4,8][5,2,6][7,3,1]] - $f(n) = 22 + 6 = 28$
[[5,4,8][2,0,6][7,3,1]] - $f(n) = 22 + 6 = 28$
[[5,4,8][7,2,6][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,5][7,3,2][6,8,4]]

Generated Nodes :

[[1,5,0][7,3,2][6,8,4]] - $f(n) = 22 + 6 = 28$
[[0,1,5][7,3,2][6,8,4]] - Already visited Node!
[[1,3,5][7,0,2][6,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,0,5][7,8,6][3,4,2]]

Generated Nodes :

[[1,5,0][7,8,6][3,4,2]] - $f(n) = 22 + 6 = 28$
[[0,1,5][7,8,6][3,4,2]] - Already visited Node!
[[1,8,5][7,0,6][3,4,2]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,0,2][6,5,3][1,8,4]]

Generated Nodes :

[[7,2,0][6,5,3][1,8,4]] - $f(n) = 22 + 5 = 27$
[[0,7,2][6,5,3][1,8,4]] - $f(n) = 22 + 6 = 28$
[[7,5,2][6,0,3][1,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,3][4,0,2][1,8,6]]

Generated Nodes :

[[7,0,3][4,5,2][1,8,6]] - $f(n) = 23 + 4 = 27$
[[7,5,3][4,2,0][1,8,6]] - $f(n) = 23 + 5 = 28$
[[7,5,3][0,4,2][1,8,6]] - Already visited Node!
[[7,5,3][4,8,2][1,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,4,3][7,2,6][1,8,0]]

Generated Nodes :

[[5,4,3][7,2,0][1,8,6]] - Already visited Node!
[[5,4,3][7,2,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,5,2][8,4,6][7,3,0]]

Generated Nodes :

[[1,5,2][8,4,0][7,3,6]] - Already visited Node!
[[1,5,2][8,4,6][7,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - [[1,2,4][0,5,6][8,7,3]]

Generated Nodes :

[[0,2,4][1,5,6][8,7,3]] - $f(n) = 24 + 5 = 29$
[[1,2,4][5,0,6][8,7,3]] - Already visited Node!
[[1,2,4][8,5,6][0,7,3]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 24 - [[8,2,4][0,5,6][7,1,3]]

Generated Nodes :

[[0,2,4][8,5,6][7,1,3]] - $f(n) = 24 + 4 = 28$
[[8,2,4][5,0,6][7,1,3]] - Already visited Node!
[[8,2,4][7,5,6][0,1,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[7,8,2][4,5,6][3,1,0]]

Generated Nodes :

[[7,8,2][4,5,0][3,1,6]] - Already visited Node!
[[7,8,2][4,5,6][3,0,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - [[1,7,4][2,5,0][8,3,6]]

Generated Nodes :

[[1,7,0][2,5,4][8,3,6]] - $f(n) = 22 + 6 = 28$
[[1,7,4][2,0,5][8,3,6]] - Already visited Node!
[[1,7,4][2,5,6][8,3,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 23 - [[0,7,2][4,3,6][5,8,1]]

Generated Nodes :

[[7,0,2][4,3,6][5,8,1]] - $f(n) = 23 + 5 = 28$
[[4,7,2][0,3,6][5,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,4][8,7,6][3,5,0]]

Generated Nodes :

[[1,2,4][8,7,0][3,5,6]] - Already visited Node!
[[1,2,4][8,7,6][3,0,5]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[5,2,0][7,1,6][3,8,4]]

Generated Nodes :

[[5,0,2][7,1,6][3,8,4]] - $f(n) = 23 + 6 = 29$
[[5,2,6][7,1,0][3,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,0][4,7,6][5,3,1]]

Generated Nodes :

[[8,0,2][4,7,6][5,3,1]] - Already visited Node!
[[8,2,6][4,7,0][5,3,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[1,7,2][0,5,8][6,3,4]]

Generated Nodes :

[[0,7,2][1,5,8][6,3,4]] - Already visited Node!
[[1,7,2][5,0,8][6,3,4]] - $f(n) = 22 + 7 = 29$
[[1,7,2][6,5,8][0,3,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[5,2,4][3,0,6][1,8,7]]

Generated Nodes :

[[5,0,4][3,2,6][1,8,7]] - $f(n) = 23 + 6 = 29$
[[5,2,4][3,6,0][1,8,7]] - $f(n) = 23 + 6 = 29$
[[5,2,4][0,3,6][1,8,7]] - $f(n) = 23 + 5 = 28$
[[5,2,4][3,8,6][1,0,7]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,5][4,7,6][8,3,1]]

Generated Nodes :

[[2,0,5][4,7,6][8,3,1]] - $f(n) = 23 + 6 = 29$
[[4,2,5][0,7,6][8,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[4,2,5][7,3,6][0,8,1]]

Generated Nodes :

[[4,2,5][0,3,6][7,8,1]] - $f(n) = 23 + 4 = 27$
[[4,2,5][7,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,1][7,4,6][3,8,0]]

Generated Nodes :

[[5,2,1][7,4,0][3,8,6]] - Already visited Node!
[[5,2,1][7,4,6][3,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[8,2,4][3,5,6][7,0,1]]

Generated Nodes :

[[8,2,4][3,0,6][7,5,1]] - $f(n) = 24 + 5 = 29$
[[8,2,4][3,5,6][7,1,0]] - $f(n) = 24 + 4 = 28$
[[8,2,4][3,5,6][0,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][4,7,6][3,8,1]]

Generated Nodes :

[[5,0,2][4,7,6][3,8,1]] - $f(n) = 23 + 5 = 28$
[[4,5,2][0,7,6][3,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,0,6][1,8,7]]

Generated Nodes :

$[5,0,4][3,2,6][1,8,7]$ - $f(n) = 23 + 6 = 29$
 $[5,2,4][3,6,0][1,8,7]$ - $f(n) = 23 + 6 = 29$
 $[5,2,4][0,3,6][1,8,7]$ - $f(n) = 23 + 5 = 28$
 $[5,2,4][3,8,6][1,0,7]$ - Already visited Node!

Node Chosen for Level 23 - $[5,2,1][7,3,6][0,8,4]$

Generated Nodes :

$[5,2,1][0,3,6][7,8,4]$ - $f(n) = 23 + 4 = 27$
 $[5,2,1][7,3,6][8,0,4]$ - Already visited Node!

Node Chosen for Level 25 - $[1,2,0][4,7,6][5,8,3]$

Generated Nodes :

$[1,0,2][4,7,6][5,8,3]$ - Already visited Node!
 $[1,2,6][4,7,0][5,8,3]$ - $f(n) = 25 + 4 = 29$

Node Chosen for Level 23 - $[7,2,8][3,5,6][4,1,0]$

Generated Nodes :

$[7,2,8][3,5,0][4,1,6]$ - Already visited Node!
 $[7,2,8][3,5,6][4,0,1]$ - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[4,2,8][7,5,6][3,1,0]$

Generated Nodes :

$[4,2,8][7,5,0][3,1,6]$ - Already visited Node!
 $[4,2,8][7,5,6][3,0,1]$ - $f(n) = 23 + 5 = 28$

Node Chosen for Level 25 - $[1,2,4][8,5,6][7,3,0]$

Generated Nodes :

$[1,2,4][8,5,0][7,3,6]$ - Already visited Node!
 $[1,2,4][8,5,6][7,0,3]$ - $f(n) = 25 + 3 = 28$

Node Chosen for Level 25 - $[1,2,4][8,5,6][7,3,0]$

Generated Nodes :

$[1,2,4][8,5,0][7,3,6]$ - Already visited Node!
 $[1,2,4][8,5,6][7,0,3]$ - $f(n) = 25 + 3 = 28$

Node Chosen for Level 23 - $[2,3,4][7,5,6][1,8,0]$

Generated Nodes :

[[2,3,4][7,5,0][1,8,6]] - Already visited Node!
[[2,3,4][7,5,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,4,3][7,2,6][1,8,0]]

Generated Nodes :

[[5,4,3][7,2,0][1,8,6]] - Already visited Node!
[[5,4,3][7,2,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][6,5,1][4,8,3]]

Generated Nodes :

[[7,0,2][6,5,1][4,8,3]] - Already visited Node!
[[7,2,1][6,5,0][4,8,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[5,3,2][4,0,6][7,1,8]]

Generated Nodes :

[[5,0,2][4,3,6][7,1,8]] - $f(n) = 23 + 5 = 28$
[[5,3,2][4,6,0][7,1,8]] - $f(n) = 23 + 6 = 29$
[[5,3,2][0,4,6][7,1,8]] - Already visited Node!
[[5,3,2][4,1,6][7,0,8]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - [[5,4,2][0,6,1][7,8,3]]

Generated Nodes :

[[0,4,2][5,6,1][7,8,3]] - $f(n) = 22 + 6 = 28$
[[5,4,2][6,0,1][7,8,3]] - $f(n) = 22 + 6 = 28$
[[5,4,2][7,6,1][0,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,4][2,5,6][1,8,0]]

Generated Nodes :

[[3,7,4][2,5,0][1,8,6]] - Already visited Node!
[[3,7,4][2,5,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][1,5,6][4,3,8]]

Generated Nodes :

[[7,0,2][1,5,6][4,3,8]] - Already visited Node!
[[7,2,6][1,5,0][4,3,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[8,2,7][3,5,0][1,4,6]]

Generated Nodes :

[[8,2,0][3,5,7][1,4,6]] - $f(n) = 22 + 6 = 28$
[[8,2,7][3,0,5][1,4,6]] - Already visited Node!
[[8,2,7][3,5,6][1,4,0]] - $f(n) = 22 + 5 = 27$

Node Chosen for Level 22 - [[4,1,5][0,3,2][7,8,6]]

Generated Nodes :

[[0,1,5][4,3,2][7,8,6]] - $f(n) = 22 + 5 = 27$
[[4,1,5][3,0,2][7,8,6]] - $f(n) = 22 + 6 = 28$
[[4,1,5][7,3,2][0,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,2,7][1,5,0][3,6,4]]

Generated Nodes :

[[8,2,0][1,5,7][3,6,4]] - $f(n) = 22 + 6 = 28$
[[8,2,7][1,0,5][3,6,4]] - Already visited Node!
[[8,2,7][1,5,4][3,6,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,6,2][0,3,1][7,8,4]]

Generated Nodes :

[[0,6,2][5,3,1][7,8,4]] - $f(n) = 22 + 6 = 28$
[[5,6,2][3,0,1][7,8,4]] - $f(n) = 22 + 6 = 28$
[[5,6,2][7,3,1][0,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,1][4,5,2][8,3,6]]

Generated Nodes :

[[7,1,0][4,5,2][8,3,6]] - $f(n) = 22 + 6 = 28$
[[0,7,1][4,5,2][8,3,6]] - $f(n) = 22 + 6 = 28$
[[7,5,1][4,0,2][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,1][0,3,2][7,8,6]]

Generated Nodes :

[[0,4,1][5,3,2][7,8,6]] - $f(n) = 22 + 6 = 28$
[[5,4,1][3,0,2][7,8,6]] - $f(n) = 22 + 6 = 28$
[[5,4,1][7,3,2][0,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,3][7,1,0][8,6,4]]

Generated Nodes :

[[5,2,0][7,1,3][8,6,4]] - Already visited Node!
[[5,2,3][7,0,1][8,6,4]] - $f(n) = 22 + 6 = 28$

$[[5,2,3][7,1,4][8,6,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,1,2][0,6,3][7,8,4]]$

Generated Nodes :

$[[0,1,2][5,6,3][7,8,4]] - f(n) = 22 + 6 = 28$
 $[[5,1,2][6,0,3][7,8,4]] - f(n) = 22 + 6 = 28$
 $[[5,1,2][7,6,3][0,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,3][7,1,0][8,6,4]]$

Generated Nodes :

$[[5,2,0][7,1,3][8,6,4]] - \text{Already visited Node!}$
 $[[5,2,3][7,0,1][8,6,4]] - f(n) = 22 + 6 = 28$
 $[[5,2,3][7,1,4][8,6,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - $[[7,2,0][8,5,6][4,1,3]]$

Generated Nodes :

$[[7,0,2][8,5,6][4,1,3]] - \text{Already visited Node!}$
 $[[7,2,6][8,5,0][4,1,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[1,5,8][4,0,2][7,3,6]]$

Generated Nodes :

$[[1,0,8][4,5,2][7,3,6]] - f(n) = 23 + 4 = 27$
 $[[1,5,8][4,2,0][7,3,6]] - f(n) = 23 + 5 = 28$
 $[[1,5,8][0,4,2][7,3,6]] - \text{Already visited Node!}$
 $[[1,5,8][4,3,2][7,0,6]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[1,2,0][7,5,8][3,6,4]]$

Generated Nodes :

$[[1,0,2][7,5,8][3,6,4]] - \text{Already visited Node!}$
 $[[1,2,8][7,5,0][3,6,4]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - $[[3,2,7][4,5,0][1,8,6]]$

Generated Nodes :

$[[3,2,0][4,5,7][1,8,6]] - f(n) = 24 + 4 = 28$
 $[[3,2,7][4,0,5][1,8,6]] - \text{Already visited Node!}$
 $[[3,2,7][4,5,6][1,8,0]] - f(n) = 24 + 3 = 27$

Node Chosen for Level 24 - $[[1,2,7][4,5,0][8,3,6]]$

Generated Nodes :

[[1,2,0][4,5,7][8,3,6]] - $f(n) = 24 + 4 = 28$
[[1,2,7][4,0,5][8,3,6]] - Already visited Node!
[[1,2,7][4,5,6][8,3,0]] - $f(n) = 24 + 3 = 27$

Node Chosen for Level 25 - [[0,3,2][4,5,6][7,8,1]]

Generated Nodes :

[[3,0,2][4,5,6][7,8,1]] - $f(n) = 25 + 3 = 28$
[[4,3,2][0,5,6][7,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,8,5][4,2,6][7,3,1]]

Generated Nodes :

[[8,0,5][4,2,6][7,3,1]] - $f(n) = 23 + 5 = 28$
[[4,8,5][0,2,6][7,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][6,5,3][1,8,4]]

Generated Nodes :

[[7,0,2][6,5,3][1,8,4]] - Already visited Node!
[[7,2,3][6,5,0][1,8,4]] - $f(n) = 23 + 4 = 27$

Node Chosen for Level 24 - [[7,0,3][4,5,2][1,8,6]]

Generated Nodes :

[[7,3,0][4,5,2][1,8,6]] - $f(n) = 24 + 5 = 29$
[[0,7,3][4,5,2][1,8,6]] - $f(n) = 24 + 4 = 28$
[[7,5,3][4,0,2][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,4][2,5,6][8,3,0]]

Generated Nodes :

[[1,7,4][2,5,0][8,3,6]] - Already visited Node!
[[1,7,4][2,5,6][8,0,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - [[4,2,5][0,3,6][7,8,1]]

Generated Nodes :

[[0,2,5][4,3,6][7,8,1]] - $f(n) = 24 + 3 = 27$
[[4,2,5][3,0,6][7,8,1]] - $f(n) = 24 + 4 = 28$
[[4,2,5][7,3,6][0,8,1]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,1][0,3,6][7,8,4]]

Generated Nodes :

[[0,2,1][5,3,6][7,8,4]] - $f(n) = 24 + 4 = 28$
[[5,2,1][3,0,6][7,8,4]] - $f(n) = 24 + 4 = 28$
[[5,2,1][7,3,6][0,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][3,5,6][1,4,0]]

Generated Nodes :

[[8,2,7][3,5,0][1,4,6]] - Already visited Node!
[[8,2,7][3,5,6][1,0,4]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[0,1,5][4,3,2][7,8,6]]

Generated Nodes :

[[1,0,5][4,3,2][7,8,6]] - $f(n) = 23 + 4 = 27$
[[4,1,5][0,3,2][7,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,8][4,5,2][7,3,6]]

Generated Nodes :

[[1,8,0][4,5,2][7,3,6]] - $f(n) = 24 + 4 = 28$
[[0,1,8][4,5,2][7,3,6]] - $f(n) = 24 + 5 = 29$
[[1,5,8][4,0,2][7,3,6]] - Already visited Node!

Node Chosen for Level 25 - [[3,2,7][4,5,6][1,8,0]]

Generated Nodes :

[[3,2,7][4,5,0][1,8,6]] - Already visited Node!
[[3,2,7][4,5,6][1,0,8]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - [[1,2,7][4,5,6][8,3,0]]

Generated Nodes :

[[1,2,7][4,5,0][8,3,6]] - Already visited Node!
[[1,2,7][4,5,6][8,0,3]] - $f(n) = 25 + 3 = 28$

Node Chosen for Level 24 - [[7,2,3][6,5,0][1,8,4]]

Generated Nodes :

[[7,2,0][6,5,3][1,8,4]] - Already visited Node!
[[7,2,3][6,0,5][1,8,4]] - $f(n) = 24 + 5 = 29$
[[7,2,3][6,5,4][1,8,0]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 25 - [[0,2,5][4,3,6][7,8,1]]

Generated Nodes :

[[2,0,5][4,3,6][7,8,1]] - $f(n) = 25 + 4 = 29$
[[4,2,5][0,3,6][7,8,1]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,5][4,3,2][7,8,6]]

Generated Nodes :

[[1,5,0][4,3,2][7,8,6]] - $f(n) = 24 + 4 = 28$
[[0,1,5][4,3,2][7,8,6]] - Already visited Node!
[[1,3,5][4,0,2][7,8,6]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 22 - [[7,0,6][3,2,5][4,8,1]]

Generated Nodes :

[[7,6,0][3,2,5][4,8,1]] - $f(n) = 22 + 7 = 29$
[[0,7,6][3,2,5][4,8,1]] - $f(n) = 22 + 7 = 29$
[[7,2,6][3,0,5][4,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,6][3,8,5][4,0,1]]

Generated Nodes :

[[7,2,6][3,0,5][4,8,1]] - Already visited Node!
[[7,2,6][3,8,5][4,1,0]] - Already visited Node!
[[7,2,6][3,8,5][0,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,4][5,2,6][3,1,8]]

Generated Nodes :

[[7,4,0][5,2,6][3,1,8]] - $f(n) = 22 + 7 = 29$
[[0,7,4][5,2,6][3,1,8]] - $f(n) = 22 + 7 = 29$
[[7,2,4][5,0,6][3,1,8]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,4][5,6,0][3,1,8]]

Generated Nodes :

[[7,2,0][5,6,4][3,1,8]] - $f(n) = 22 + 7 = 29$
[[7,2,4][5,0,6][3,1,8]] - Already visited Node!
[[7,2,4][5,6,8][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,6][4,2,1][8,5,3]]

Generated Nodes :

[[7,6,0][4,2,1][8,5,3]] - $f(n) = 22 + 7 = 29$
[[0,7,6][4,2,1][8,5,3]] - $f(n) = 22 + 7 = 29$
[[7,2,6][4,0,1][8,5,3]] - Already visited Node!

Node Chosen for Level 22 – [[7,2,6][0,4,1][8,5,3]]

Generated Nodes :

[[0,2,6][7,4,1][8,5,3]] – $f(n) = 22 + 7 = 29$
[[7,2,6][4,0,1][8,5,3]] – Already visited Node!
[[7,2,6][8,4,1][0,5,3]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 – [[8,7,2][3,0,5][4,1,6]]

Generated Nodes :

[[8,0,2][3,7,5][4,1,6]] – $f(n) = 21 + 8 = 29$
[[8,7,2][3,5,0][4,1,6]] – Already visited Node!
[[8,7,2][0,3,5][4,1,6]] – $f(n) = 21 + 8 = 29$
[[8,7,2][3,1,5][4,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 23 – [[2,5,4][7,0,6][1,8,3]]

Generated Nodes :

[[2,0,4][7,5,6][1,8,3]] – Already visited Node!
[[2,5,4][7,6,0][1,8,3]] – $f(n) = 23 + 7 = 30$
[[2,5,4][0,7,6][1,8,3]] – $f(n) = 23 + 6 = 29$
[[2,5,4][7,8,6][1,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 – [[3,7,2][5,6,0][4,8,1]]

Generated Nodes :

[[3,7,0][5,6,2][4,8,1]] – $f(n) = 22 + 7 = 29$
[[3,7,2][5,0,6][4,8,1]] – Already visited Node!
[[3,7,2][5,6,1][4,8,0]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[3,7,2][5,8,6][4,0,1]]

Generated Nodes :

[[3,7,2][5,0,6][4,8,1]] – Already visited Node!
[[3,7,2][5,8,6][4,1,0]] – $f(n) = 22 + 7 = 29$
[[3,7,2][5,8,6][0,4,1]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 – [[5,1,2][3,8,4][0,7,6]]

Generated Nodes :

[[5,1,2][0,8,4][3,7,6]] – Already visited Node!
[[5,1,2][3,8,4][7,0,6]] – Already visited Node!

Node Chosen for Level 22 – [[5,8,2][0,3,6][4,7,1]]

Generated Nodes :

[[0,8,2][5,3,6][4,7,1]] - $f(n) = 22 + 7 = 29$
[[5,8,2][3,0,6][4,7,1]] - Already visited Node!
[[5,8,2][4,3,6][0,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][1,8,6][0,7,3]]

Generated Nodes :

[[5,2,4][0,8,6][1,7,3]] - $f(n) = 23 + 6 = 29$
[[5,2,4][1,8,6][7,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[4,7,2][5,0,6][1,8,3]]

Generated Nodes :

[[4,0,2][5,7,6][1,8,3]] - $f(n) = 23 + 6 = 29$
[[4,7,2][5,6,0][1,8,3]] - $f(n) = 23 + 7 = 30$
[[4,7,2][0,5,6][1,8,3]] - Already visited Node!
[[4,7,2][5,8,6][1,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[7,0,1][3,2,5][6,8,4]]

Generated Nodes :

[[7,1,0][3,2,5][6,8,4]] - Already visited Node!
[[0,7,1][3,2,5][6,8,4]] - $f(n) = 22 + 7 = 29$
[[7,2,1][3,0,5][6,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,1][3,8,5][6,0,4]]

Generated Nodes :

[[7,2,1][3,0,5][6,8,4]] - Already visited Node!
[[7,2,1][3,8,5][6,4,0]] - Already visited Node!
[[7,2,1][3,8,5][0,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][5,0,1][4,8,3]]

Generated Nodes :

[[7,0,6][5,2,1][4,8,3]] - $f(n) = 23 + 7 = 30$
[[7,2,6][5,1,0][4,8,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][0,5,1][4,8,3]] - Already visited Node!
[[7,2,6][5,8,1][4,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,7,2][4,0,6][8,5,1]]

Generated Nodes :

[[3,0,2][4,7,6][8,5,1]] - $f(n) = 23 + 6 = 29$
[[3,7,2][4,6,0][8,5,1]] - $f(n) = 23 + 7 = 30$

$[[3,7,2][0,4,6][8,5,1]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][4,5,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,7,2][5,6,0][8,4,3]]$

Generated Nodes :

$[[1,7,0][5,6,2][8,4,3]] - f(n) = 22 + 7 = 29$
 $[[1,7,2][5,0,6][8,4,3]] - \text{Already visited Node!}$
 $[[1,7,2][5,6,3][8,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[7,2,6][4,0,5][3,1,8]]$

Generated Nodes :

$[[7,0,6][4,2,5][3,1,8]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][4,5,0][3,1,8]] - \text{Already visited Node!}$
 $[[7,2,6][0,4,5][3,1,8]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][4,1,5][3,0,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[7,0,3][1,2,5][8,6,4]]$

Generated Nodes :

$[[7,3,0][1,2,5][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[0,7,3][1,2,5][8,6,4]] - f(n) = 22 + 7 = 29$
 $[[7,2,3][1,0,5][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,1,2][4,8,6][0,7,3]]$

Generated Nodes :

$[[5,1,2][0,8,6][4,7,3]] - f(n) = 23 + 7 = 30$
 $[[5,1,2][4,8,6][7,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,1,2][8,7,4][3,5,6]]$

Generated Nodes :

$[[1,0,2][8,7,4][3,5,6]] - \text{Already visited Node!}$
 $[[8,1,2][0,7,4][3,5,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,7,2][1,8,4][3,5,6]]$

Generated Nodes :

$[[7,0,2][1,8,4][3,5,6]] - f(n) = 21 + 8 = 29$
 $[[1,7,2][0,8,4][3,5,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[2,4,6][5,7,0][3,8,1]]$

Generated Nodes :

[[2,4,0][5,7,6][3,8,1]] - Already visited Node!
[[2,4,6][5,0,7][3,8,1]] - $f(n) = 22 + 7 = 29$
[[2,4,6][5,7,1][3,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,7,4][5,6,0][3,8,1]]

Generated Nodes :

[[2,7,0][5,6,4][3,8,1]] - $f(n) = 22 + 7 = 29$
[[2,7,4][5,0,6][3,8,1]] - Already visited Node!
[[2,7,4][5,6,1][3,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,7,4][5,8,6][3,0,1]]

Generated Nodes :

[[2,7,4][5,0,6][3,8,1]] - Already visited Node!
[[2,7,4][5,8,6][3,1,0]] - Already visited Node!
[[2,7,4][5,8,6][0,3,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,4][3,2,6][8,7,1]]

Generated Nodes :

[[5,4,0][3,2,6][8,7,1]] - $f(n) = 22 + 7 = 29$
[[0,5,4][3,2,6][8,7,1]] - $f(n) = 22 + 7 = 29$
[[5,2,4][3,0,6][8,7,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,4][3,6,0][8,7,1]]

Generated Nodes :

[[5,2,0][3,6,4][8,7,1]] - $f(n) = 22 + 7 = 29$
[[5,2,4][3,0,6][8,7,1]] - Already visited Node!
[[5,2,4][3,6,1][8,7,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,4][3,7,0][8,1,6]]

Generated Nodes :

[[5,2,0][3,7,4][8,1,6]] - $f(n) = 22 + 7 = 29$
[[5,2,4][3,0,7][8,1,6]] - $f(n) = 22 + 7 = 29$
[[5,2,4][3,7,6][8,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[2,4,6][5,8,0][7,3,1]]

Generated Nodes :

[[2,4,0][5,8,6][7,3,1]] - Already visited Node!
[[2,4,6][5,0,8][7,3,1]] - $f(n) = 22 + 7 = 29$
[[2,4,6][5,8,1][7,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[2,8,4][5,6,0][7,3,1]]$

Generated Nodes :

$[[2,8,0][5,6,4][7,3,1]] - f(n) = 22 + 7 = 29$
 $[[2,8,4][5,0,6][7,3,1]] - \text{Already visited Node!}$
 $[[2,8,4][5,6,1][7,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,6][8,2,0][7,3,1]]$

Generated Nodes :

$[[5,4,0][8,2,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,4,6][8,0,2][7,3,1]] - f(n) = 22 + 7 = 29$
 $[[5,4,6][8,2,1][7,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,2][8,6,4][7,3,1]]$

Generated Nodes :

$[[5,2,0][8,6,4][7,3,1]] - \text{Already visited Node!}$
 $[[0,5,2][8,6,4][7,3,1]] - f(n) = 22 + 7 = 29$
 $[[5,6,2][8,0,4][7,3,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,4][7,2,6][1,3,8]]$

Generated Nodes :

$[[5,4,0][7,2,6][1,3,8]] - f(n) = 22 + 7 = 29$
 $[[0,5,4][7,2,6][1,3,8]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][7,0,6][1,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,4][7,6,0][1,3,8]]$

Generated Nodes :

$[[5,2,0][7,6,4][1,3,8]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][7,0,6][1,3,8]] - \text{Already visited Node!}$
 $[[5,2,4][7,6,8][1,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,2][4,6,3][1,0,8]]$

Generated Nodes :

$[[7,5,2][4,0,3][1,6,8]] - f(n) = 22 + 7 = 29$
 $[[7,5,2][4,6,3][1,8,0]] - \text{Already visited Node!}$
 $[[7,5,2][4,6,3][0,1,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,2][4,8,0][1,3,6]]$

Generated Nodes :

[[7,5,0][4,8,2][1,3,6]] - $f(n) = 22 + 7 = 29$
[[7,5,2][4,0,8][1,3,6]] - $f(n) = 22 + 7 = 29$
[[7,5,2][4,8,6][1,3,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][0,8,6][4,1,3]]

Generated Nodes :

[[0,5,2][7,8,6][4,1,3]] - $f(n) = 22 + 7 = 29$
[[7,5,2][8,0,6][4,1,3]] - Already visited Node!
[[7,5,2][4,8,6][0,1,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,6][4,5,3][1,0,8]]

Generated Nodes :

[[7,2,6][4,0,3][1,5,8]] - $f(n) = 24 + 6 = 30$
[[7,2,6][4,5,3][1,8,0]] - Already visited Node!
[[7,2,6][4,5,3][0,1,8]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 22 - [[2,0,4][7,3,6][1,5,8]]

Generated Nodes :

[[2,4,0][7,3,6][1,5,8]] - $f(n) = 22 + 7 = 29$
[[0,2,4][7,3,6][1,5,8]] - Already visited Node!
[[2,3,4][7,0,6][1,5,8]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - [[3,7,2][1,0,5][8,6,4]]

Generated Nodes :

[[3,0,2][1,7,5][8,6,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][1,5,0][8,6,4]] - Already visited Node!
[[3,7,2][0,1,5][8,6,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][1,6,5][8,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[2,0,4][7,1,6][8,5,3]]

Generated Nodes :

[[2,4,0][7,1,6][8,5,3]] - $f(n) = 22 + 7 = 29$
[[0,2,4][7,1,6][8,5,3]] - Already visited Node!
[[2,1,4][7,0,6][8,5,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,7,2][8,5,0][3,1,6]]

Generated Nodes :

[[4,7,0][8,5,2][3,1,6]] - $f(n) = 22 + 7 = 29$
[[4,7,2][8,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$

[[4,7,2][8,5,6][3,1,0]] - Already visited Node!

Node Chosen for Level 21 - [[0,1,7][5,4,2][8,3,6]]

Generated Nodes :

[[1,0,7][5,4,2][8,3,6]] - Already visited Node!

[[5,1,7][0,4,2][8,3,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[5,3,2][7,6,0][4,8,1]]

Generated Nodes :

[[5,3,0][7,6,2][4,8,1]] - $f(n) = 22 + 7 = 29$

[[5,3,2][7,0,6][4,8,1]] - Already visited Node!

[[5,3,2][7,6,1][4,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,2][7,8,6][4,0,1]]

Generated Nodes :

[[5,3,2][7,0,6][4,8,1]] - Already visited Node!

[[5,3,2][7,8,6][4,1,0]] - $f(n) = 22 + 7 = 29$

[[5,3,2][7,8,6][0,4,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,4][2,6,0][3,8,1]]

Generated Nodes :

[[7,5,0][2,6,4][3,8,1]] - $f(n) = 22 + 7 = 29$

[[7,5,4][2,0,6][3,8,1]] - Already visited Node!

[[7,5,4][2,6,1][3,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,4][2,8,6][3,0,1]]

Generated Nodes :

[[7,5,4][2,0,6][3,8,1]] - Already visited Node!

[[7,5,4][2,8,6][3,1,0]] - Already visited Node!

[[7,5,4][2,8,6][0,3,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,4][3,2,6][8,0,1]]

Generated Nodes :

[[7,5,4][3,0,6][8,2,1]] - $f(n) = 22 + 7 = 29$

[[7,5,4][3,2,6][8,1,0]] - $f(n) = 22 + 7 = 29$

[[7,5,4][3,2,6][0,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,6][7,5,1][8,3,4]]

Generated Nodes :

[[2,6,0][7,5,1][8,3,4]] - $f(n) = 22 + 7 = 29$
[[0,2,6][7,5,1][8,3,4]] - Already visited Node!
[[2,5,6][7,0,1][8,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 21 - [[8,7,2][3,0,5][6,4,1]]

Generated Nodes :

[[8,0,2][3,7,5][6,4,1]] - $f(n) = 21 + 8 = 29$
[[8,7,2][3,5,0][6,4,1]] - Already visited Node!
[[8,7,2][0,3,5][6,4,1]] - $f(n) = 21 + 8 = 29$
[[8,7,2][3,4,5][6,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[2,0,1][7,5,4][8,3,6]]

Generated Nodes :

[[2,1,0][7,5,4][8,3,6]] - $f(n) = 22 + 7 = 29$
[[0,2,1][7,5,4][8,3,6]] - Already visited Node!
[[2,5,1][7,0,4][8,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 21 - [[8,1,2][5,3,4][0,7,6]]

Generated Nodes :

[[8,1,2][0,3,4][5,7,6]] - $f(n) = 21 + 8 = 29$
[[8,1,2][5,3,4][7,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,2][1,0,8][6,5,4]]

Generated Nodes :

[[3,0,2][1,7,8][6,5,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][1,8,0][6,5,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][0,1,8][6,5,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][1,5,8][6,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,3,2][7,6,0][4,8,1]]

Generated Nodes :

[[5,3,0][7,6,2][4,8,1]] - $f(n) = 22 + 7 = 29$
[[5,3,2][7,0,6][4,8,1]] - Already visited Node!
[[5,3,2][7,6,1][4,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,2][7,8,6][4,0,1]]

Generated Nodes :

[[5,3,2][7,0,6][4,8,1]] - Already visited Node!
[[5,3,2][7,8,6][4,1,0]] - $f(n) = 22 + 7 = 29$

$[[5,3,2][7,8,6][0,4,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[2,0,4][5,7,3][1,8,6]]$

Generated Nodes :

$[[2,4,0][5,7,3][1,8,6]] - f(n) = 22 + 7 = 29$
 $[[0,2,4][5,7,3][1,8,6]] - \text{Already visited Node!}$
 $[[2,7,4][5,0,3][1,8,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,2,4][1,7,3][8,0,6]]$

Generated Nodes :

$[[5,2,4][1,0,3][8,7,6]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][1,7,3][8,6,0]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][1,7,3][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,5,6][4,7,0][3,2,1]]$

Generated Nodes :

$[[8,5,0][4,7,6][3,2,1]] - \text{Already visited Node!}$
 $[[8,5,6][4,0,7][3,2,1]] - f(n) = 22 + 7 = 29$
 $[[8,5,6][4,7,1][3,2,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,8,5][0,7,6][3,2,1]]$

Generated Nodes :

$[[0,8,5][4,7,6][3,2,1]] - \text{Already visited Node!}$
 $[[4,8,5][7,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[4,8,5][3,7,6][0,2,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[2,0,4][5,7,6][8,1,3]]$

Generated Nodes :

$[[2,4,0][5,7,6][8,1,3]] - f(n) = 22 + 7 = 29$
 $[[0,2,4][5,7,6][8,1,3]] - \text{Already visited Node!}$
 $[[2,7,4][5,0,6][8,1,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,2][7,6,0][1,8,3]]$

Generated Nodes :

$[[5,4,0][7,6,2][1,8,3]] - f(n) = 22 + 7 = 29$
 $[[5,4,2][7,0,6][1,8,3]] - \text{Already visited Node!}$
 $[[5,4,2][7,6,3][1,8,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,2][7,8,6][1,0,3]]$

Generated Nodes :

[[5,4,2][7,0,6][1,8,3]] - Already visited Node!
[[5,4,2][7,8,6][1,3,0]] - $f(n) = 22 + 7 = 29$
[[5,4,2][7,8,6][0,1,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,4,2][5,6,0][7,3,1]]

Generated Nodes :

[[8,4,0][5,6,2][7,3,1]] - $f(n) = 22 + 7 = 29$
[[8,4,2][5,0,6][7,3,1]] - Already visited Node!
[[8,4,2][5,6,1][7,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,7,2][6,5,1][8,0,4]]

Generated Nodes :

[[3,7,2][6,0,1][8,5,4]] - $f(n) = 22 + 8 = 30$
[[3,7,2][6,5,1][8,4,0]] - $f(n) = 22 + 7 = 29$
[[3,7,2][6,5,1][0,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[3,0,4][5,2,7][1,8,6]]

Generated Nodes :

[[3,4,0][5,2,7][1,8,6]] - $f(n) = 22 + 7 = 29$
[[0,3,4][5,2,7][1,8,6]] - $f(n) = 22 + 7 = 29$
[[3,2,4][5,0,7][1,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,2,4][5,8,7][1,0,6]]

Generated Nodes :

[[3,2,4][5,0,7][1,8,6]] - Already visited Node!
[[3,2,4][5,8,7][1,6,0]] - $f(n) = 22 + 7 = 29$
[[3,2,4][5,8,7][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,0,4][5,2,7][8,3,6]]

Generated Nodes :

[[1,4,0][5,2,7][8,3,6]] - $f(n) = 22 + 7 = 29$
[[0,1,4][5,2,7][8,3,6]] - $f(n) = 22 + 8 = 30$
[[1,2,4][5,0,7][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,2][5,6,0][8,4,3]]

Generated Nodes :

[[1,7,0][5,6,2][8,4,3]] - $f(n) = 22 + 7 = 29$
[[1,7,2][5,0,6][8,4,3]] - Already visited Node!

$[[1,7,2][5,6,3][8,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,7,2][3,8,4][5,0,6]]$

Generated Nodes :

$[[1,7,2][3,0,4][5,8,6]] - \text{Already visited Node!}$

$[[1,7,2][3,8,4][5,6,0]] - f(n) = 22 + 7 = 29$

$[[1,7,2][3,8,4][0,5,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][0,1,6][4,3,8]]$

Generated Nodes :

$[[0,5,2][7,1,6][4,3,8]] - f(n) = 22 + 7 = 29$

$[[7,5,2][1,0,6][4,3,8]] - \text{Already visited Node!}$

$[[7,5,2][4,1,6][0,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,2][3,0,4][1,5,6]]$

Generated Nodes :

$[[8,0,2][3,7,4][1,5,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][3,4,0][1,5,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][0,3,4][1,5,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][3,5,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[6,7,2][5,0,1][8,3,4]]$

Generated Nodes :

$[[6,0,2][5,7,1][8,3,4]] - f(n) = 21 + 8 = 29$

$[[6,7,2][5,1,0][8,3,4]] - f(n) = 21 + 8 = 29$

$[[6,7,2][0,5,1][8,3,4]] - \text{Already visited Node!}$

$[[6,7,2][5,3,1][8,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - $[[4,3,5][0,7,2][1,8,6]]$

Generated Nodes :

$[[0,3,5][4,7,2][1,8,6]] - \text{Already visited Node!}$

$[[4,3,5][7,0,2][1,8,6]] - \text{Already visited Node!}$

$[[4,3,5][1,7,2][0,8,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,5,2][4,6,0][3,7,1]]$

Generated Nodes :

$[[8,5,0][4,6,2][3,7,1]] - f(n) = 22 + 7 = 29$

$[[8,5,2][4,0,6][3,7,1]] - \text{Already visited Node!}$

$[[8,5,2][4,6,1][3,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,5,2][0,4,6][3,7,1]]$

Generated Nodes :

 $[[0,5,2][8,4,6][3,7,1]] - f(n) = 22 + 7 = 29$
 $[[8,5,2][4,0,6][3,7,1]] - \text{Already visited Node!}$
 $[[8,5,2][3,4,6][0,7,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,5,2][0,7,6][4,3,1]]$

Generated Nodes :

 $[[0,5,2][8,7,6][4,3,1]] - f(n) = 22 + 7 = 29$
 $[[8,5,2][7,0,6][4,3,1]] - f(n) = 22 + 7 = 29$
 $[[8,5,2][4,7,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,2,7][0,1,5][4,3,6]]$

Generated Nodes :

 $[[0,2,7][8,1,5][4,3,6]] - f(n) = 22 + 7 = 29$
 $[[8,2,7][1,0,5][4,3,6]] - f(n) = 22 + 7 = 29$
 $[[8,2,7][4,1,5][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,0,4][5,2,1][7,3,6]]$

Generated Nodes :

 $[[8,4,0][5,2,1][7,3,6]] - f(n) = 22 + 7 = 29$
 $[[0,8,4][5,2,1][7,3,6]] - f(n) = 22 + 7 = 29$
 $[[8,2,4][5,0,1][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][1,6,0][7,4,3]]$

Generated Nodes :

 $[[5,8,0][1,6,2][7,4,3]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][1,0,6][7,4,3]] - \text{Already visited Node!}$
 $[[5,8,2][1,6,3][7,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,0,4][5,2,6][3,7,1]]$

Generated Nodes :

 $[[8,4,0][5,2,6][3,7,1]] - f(n) = 22 + 7 = 29$
 $[[0,8,4][5,2,6][3,7,1]] - f(n) = 22 + 7 = 29$
 $[[8,2,4][5,0,6][3,7,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,2,4][5,6,0][3,7,1]]$

Generated Nodes :

$[[8,2,0][5,6,4][3,7,1]] - f(n) = 22 + 7 = 29$
 $[[8,2,4][5,0,6][3,7,1]] - \text{Already visited Node!}$
 $[[8,2,4][5,6,1][3,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[1,7,2][8,0,6][4,5,3]]$

Generated Nodes :

$[[1,0,2][8,7,6][4,5,3]] - f(n) = 23 + 6 = 29$
 $[[1,7,2][8,6,0][4,5,3]] - f(n) = 23 + 7 = 30$
 $[[1,7,2][0,8,6][4,5,3]] - f(n) = 23 + 6 = 29$
 $[[1,7,2][8,5,6][4,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,0,4][5,2,3][7,8,6]]$

Generated Nodes :

$[[1,4,0][5,2,3][7,8,6]] - f(n) = 24 + 5 = 29$
 $[[0,1,4][5,2,3][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[1,2,4][5,0,3][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,2,4][5,8,3][7,0,6]]$

Generated Nodes :

$[[1,2,4][5,0,3][7,8,6]] - \text{Already visited Node!}$
 $[[1,2,4][5,8,3][7,6,0]] - f(n) = 24 + 5 = 29$
 $[[1,2,4][5,8,3][0,7,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[7,2,3][1,0,4][8,5,6]]$

Generated Nodes :

$[[7,0,3][1,2,4][8,5,6]] - f(n) = 23 + 7 = 30$
 $[[7,2,3][1,4,0][8,5,6]] - f(n) = 23 + 6 = 29$
 $[[7,2,3][0,1,4][8,5,6]] - f(n) = 23 + 6 = 29$
 $[[7,2,3][1,5,4][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,2,7][0,5,6][4,3,1]]$

Generated Nodes :

$[[0,2,7][8,5,6][4,3,1]] - f(n) = 24 + 5 = 29$
 $[[8,2,7][5,0,6][4,3,1]] - f(n) = 24 + 6 = 30$
 $[[8,2,7][4,5,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,5,2][0,1,6][7,8,3]]$

Generated Nodes :

$[[0,5,2][4,1,6][7,8,3]] - \text{Already visited Node!}$
 $[[4,5,2][1,0,6][7,8,3]] - f(n) = 24 + 5 = 29$

$[[4,5,2][7,1,6][0,8,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 22 - $[[4,7,2][0,5,3][8,1,6]]$

Generated Nodes :

$[[0,7,2][4,5,3][8,1,6]]$ - Already visited Node!

$[[4,7,2][5,0,3][8,1,6]] - f(n) = 22 + 8 = 30$

$[[4,7,2][8,5,3][0,1,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,7,2][0,5,1][8,6,3]]$

Generated Nodes :

$[[0,7,2][4,5,1][8,6,3]]$ - Already visited Node!

$[[4,7,2][5,0,1][8,6,3]] - f(n) = 22 + 8 = 30$

$[[4,7,2][8,5,1][0,6,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,3][7,8,2][1,0,6]]$

Generated Nodes :

$[[5,4,3][7,0,2][1,8,6]]$ - Already visited Node!

$[[5,4,3][7,8,2][1,6,0]] - f(n) = 22 + 7 = 29$

$[[5,4,3][7,8,2][0,1,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,8,2][0,5,7][3,1,6]]$

Generated Nodes :

$[[0,8,2][4,5,7][3,1,6]]$ - Already visited Node!

$[[4,8,2][5,0,7][3,1,6]] - f(n) = 22 + 8 = 30$

$[[4,8,2][3,5,7][0,1,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[2,0,4][8,5,7][3,1,6]]$

Generated Nodes :

$[[2,4,0][8,5,7][3,1,6]] - f(n) = 22 + 7 = 29$

$[[0,2,4][8,5,7][3,1,6]]$ - Already visited Node!

$[[2,5,4][8,0,7][3,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - $[[5,2,4][1,8,6][0,7,3]]$

Generated Nodes :

$[[5,2,4][0,8,6][1,7,3]] - f(n) = 23 + 6 = 29$

$[[5,2,4][1,8,6][7,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[0,7,2][1,4,6][5,8,3]]$

Generated Nodes :

[[7,0,2][1,4,6][5,8,3]] - $f(n) = 23 + 6 = 29$
[[1,7,2][0,4,6][5,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][5,1,6][0,7,3]]

Generated Nodes :

[[8,2,4][0,1,6][5,7,3]] - $f(n) = 23 + 6 = 29$
[[8,2,4][5,1,6][7,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][1,8,6][0,7,3]]

Generated Nodes :

[[5,2,4][0,8,6][1,7,3]] - $f(n) = 23 + 6 = 29$
[[5,2,4][1,8,6][7,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,4,2][5,6,0][7,8,3]]

Generated Nodes :

[[1,4,0][5,6,2][7,8,3]] - $f(n) = 24 + 5 = 29$
[[1,4,2][5,0,6][7,8,3]] - Already visited Node!
[[1,4,2][5,6,3][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,4,2][5,8,6][7,0,3]]

Generated Nodes :

[[1,4,2][5,0,6][7,8,3]] - Already visited Node!
[[1,4,2][5,8,6][7,3,0]] - $f(n) = 24 + 5 = 29$
[[1,4,2][5,8,6][0,7,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[7,2,1][4,0,5][8,6,3]]

Generated Nodes :

[[7,0,1][4,2,5][8,6,3]] - $f(n) = 23 + 7 = 30$
[[7,2,1][4,5,0][8,6,3]] - Already visited Node!
[[7,2,1][0,4,5][8,6,3]] - $f(n) = 23 + 7 = 30$
[[7,2,1][4,6,5][8,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[4,7,8][0,5,2][3,1,6]]

Generated Nodes :

[[0,7,8][4,5,2][3,1,6]] - Already visited Node!
[[4,7,8][5,0,2][3,1,6]] - $f(n) = 22 + 8 = 30$
[[4,7,8][3,5,2][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 25 - [[7,2,3][4,0,6][8,5,1]]

Generated Nodes :

$[7,0,3][4,2,6][8,5,1] - f(n) = 25 + 5 = 30$
 $[7,2,3][4,6,0][8,5,1] - f(n) = 25 + 5 = 30$
 $[7,2,3][0,4,6][8,5,1] - f(n) = 25 + 5 = 30$
 $[7,2,3][4,5,6][8,0,1] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[4,2,6][5,7,0][8,3,1]$

Generated Nodes :

$[4,2,0][5,7,6][8,3,1] - \text{Already visited Node!}$
 $[4,2,6][5,0,7][8,3,1] - f(n) = 22 + 7 = 29$
 $[4,2,6][5,7,1][8,3,0] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[7,0,2][8,1,6][3,5,4]$

Generated Nodes :

$[7,2,0][8,1,6][3,5,4] - \text{Already visited Node!}$
 $[0,7,2][8,1,6][3,5,4] - f(n) = 22 + 7 = 29$
 $[7,1,2][8,0,6][3,5,4] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[8,2,6][3,7,0][4,5,1]$

Generated Nodes :

$[8,2,0][3,7,6][4,5,1] - \text{Already visited Node!}$
 $[8,2,6][3,0,7][4,5,1] - f(n) = 22 + 7 = 29$
 $[8,2,6][3,7,1][4,5,0] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[2,8,4][7,5,6][0,3,1]$

Generated Nodes :

$[2,8,4][0,5,6][7,3,1] - \text{Already visited Node!}$
 $[2,8,4][7,5,6][3,0,1] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[7,5,2][0,1,3][4,8,6]$

Generated Nodes :

$[0,5,2][7,1,3][4,8,6] - f(n) = 22 + 7 = 29$
 $[7,5,2][1,0,3][4,8,6] - f(n) = 22 + 7 = 29$
 $[7,5,2][4,1,3][0,8,6] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[5,0,6][7,2,1][3,8,4]$

Generated Nodes :

$[5,6,0][7,2,1][3,8,4] - f(n) = 22 + 7 = 29$

$[[0,5,6][7,2,1][3,8,4]] - f(n) = 22 + 7 = 29$
 $[[5,2,6][7,0,1][3,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,2][8,4,6][3,1,5]]$

Generated Nodes :

$[[7,2,0][8,4,6][3,1,5]] - \text{Already visited Node!}$
 $[[0,7,2][8,4,6][3,1,5]] - f(n) = 22 + 7 = 29$
 $[[7,4,2][8,0,6][3,1,5]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,7,2][4,6,0][5,3,1]]$

Generated Nodes :

$[[8,7,0][4,6,2][5,3,1]] - f(n) = 22 + 7 = 29$
 $[[8,7,2][4,0,6][5,3,1]] - \text{Already visited Node!}$
 $[[8,7,2][4,6,1][5,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,0,1][8,2,6][3,4,5]]$

Generated Nodes :

$[[7,1,0][8,2,6][3,4,5]] - f(n) = 22 + 7 = 29$
 $[[0,7,1][8,2,6][3,4,5]] - f(n) = 22 + 7 = 29$
 $[[7,2,1][8,0,6][3,4,5]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,6,5][0,3,2][4,8,1]]$

Generated Nodes :

$[[0,6,5][7,3,2][4,8,1]] - f(n) = 22 + 7 = 29$
 $[[7,6,5][3,0,2][4,8,1]] - \text{Already visited Node!}$
 $[[7,6,5][4,3,2][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,6][7,3,0][1,4,8]]$

Generated Nodes :

$[[5,2,0][7,3,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,2,6][7,0,3][1,4,8]] - f(n) = 22 + 7 = 29$
 $[[5,2,6][7,3,8][1,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,2][1,3,0][4,8,6]]$

Generated Nodes :

$[[7,5,0][1,3,2][4,8,6]] - f(n) = 22 + 7 = 29$
 $[[7,5,2][1,0,3][4,8,6]] - f(n) = 22 + 7 = 29$
 $[[7,5,2][1,3,6][4,8,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,6][7,4,0][3,1,8]]$

Generated Nodes :

[[5,2,0][7,4,6][3,1,8]] - Already visited Node!
[[5,2,6][7,0,4][3,1,8]] - $f(n) = 22 + 7 = 29$
[[5,2,6][7,4,8][3,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[4,2,6][5,7,0][8,3,1]]

Generated Nodes :

[[4,2,0][5,7,6][8,3,1]] - Already visited Node!
[[4,2,6][5,0,7][8,3,1]] - $f(n) = 22 + 7 = 29$
[[4,2,6][5,7,1][8,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,4,5][3,6,0][2,8,1]]

Generated Nodes :

[[7,4,0][3,6,5][2,8,1]] - $f(n) = 22 + 7 = 29$
[[7,4,5][3,0,6][2,8,1]] - Already visited Node!
[[7,4,5][3,6,1][2,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,2,5][7,6,0][8,3,1]]

Generated Nodes :

[[4,2,0][7,6,5][8,3,1]] - $f(n) = 22 + 7 = 29$
[[4,2,5][7,0,6][8,3,1]] - Already visited Node!
[[4,2,5][7,6,1][8,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,6][7,1,0][8,4,3]]

Generated Nodes :

[[5,2,0][7,1,6][8,4,3]] - Already visited Node!
[[5,2,6][7,0,1][8,4,3]] - Already visited Node!
[[5,2,6][7,1,3][8,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,1][7,2,4][3,8,6]]

Generated Nodes :

[[5,1,0][7,2,4][3,8,6]] - $f(n) = 22 + 7 = 29$
[[0,5,1][7,2,4][3,8,6]] - $f(n) = 22 + 7 = 29$
[[5,2,1][7,0,4][3,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][7,1,0][8,4,3]]

Generated Nodes :

[[5,2,0][7,1,6][8,4,3]] - Already visited Node!

[[5,2,6][7,0,1][8,4,3]] - Already visited Node!
[[5,2,6][7,1,3][8,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[8,4,2][7,5,6][0,3,1]]

Generated Nodes :

[[8,4,2][0,5,6][7,3,1]] - Already visited Node!
[[8,4,2][7,5,6][3,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,2,4][1,5,7][8,3,6]]

Generated Nodes :

[[2,0,4][1,5,7][8,3,6]] - $f(n) = 23 + 7 = 30$
[[1,2,4][0,5,7][8,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][7,5,1][0,3,6]]

Generated Nodes :

[[8,2,4][0,5,1][7,3,6]] - Already visited Node!
[[8,2,4][7,5,1][3,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[1,3,2][5,4,6][7,0,8]]

Generated Nodes :

[[1,3,2][5,0,6][7,4,8]] - $f(n) = 24 + 5 = 29$
[[1,3,2][5,4,6][7,8,0]] - Already visited Node!
[[1,3,2][5,4,6][0,7,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[4,2,6][5,3,0][7,8,1]]

Generated Nodes :

[[4,2,0][5,3,6][7,8,1]] - Already visited Node!
[[4,2,6][5,0,3][7,8,1]] - $f(n) = 24 + 5 = 29$
[[4,2,6][5,3,1][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,6][3,4,0][7,8,1]]

Generated Nodes :

[[5,2,0][3,4,6][7,8,1]] - Already visited Node!
[[5,2,6][3,0,4][7,8,1]] - Already visited Node!
[[5,2,6][3,4,1][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,4][3,1,6][7,0,8]]

Generated Nodes :

[[5,2,4][3,0,6][7,1,8]] - Already visited Node!
[[5,2,4][3,1,6][7,8,0]] - Already visited Node!
[[5,2,4][3,1,6][0,7,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[0,2,4][1,5,3][7,8,6]]

Generated Nodes :

[[2,0,4][1,5,3][7,8,6]] - $f(n) = 25 + 5 = 30$
[[1,2,4][0,5,3][7,8,6]] - Already visited Node!

Node Chosen for Level 25 - [[1,2,4][7,5,3][0,8,6]]

Generated Nodes :

[[1,2,4][0,5,3][7,8,6]] - Already visited Node!
[[1,2,4][7,5,3][8,0,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 22 - [[4,5,2][7,6,0][3,8,1]]

Generated Nodes :

[[4,5,0][7,6,2][3,8,1]] - $f(n) = 22 + 7 = 29$
[[4,5,2][7,0,6][3,8,1]] - Already visited Node!
[[4,5,2][7,6,1][3,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,1][7,2,6][8,3,4]]

Generated Nodes :

[[5,1,0][7,2,6][8,3,4]] - $f(n) = 22 + 7 = 29$
[[0,5,1][7,2,6][8,3,4]] - $f(n) = 22 + 7 = 29$
[[5,2,1][7,0,6][8,3,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][3,1,6][7,0,8]]

Generated Nodes :

[[5,2,4][3,0,6][7,1,8]] - Already visited Node!
[[5,2,4][3,1,6][7,8,0]] - Already visited Node!
[[5,2,4][3,1,6][0,7,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,2][4,6,0][5,8,3]]

Generated Nodes :

[[1,7,0][4,6,2][5,8,3]] - $f(n) = 24 + 5 = 29$
[[1,7,2][4,0,6][5,8,3]] - Already visited Node!
[[1,7,2][4,6,3][5,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,7,2][4,8,6][5,0,3]]

Generated Nodes :

[[1,7,2][4,0,6][5,8,3]] - Already visited Node!
[[1,7,2][4,8,6][5,3,0]] - $f(n) = 24 + 5 = 29$
[[1,7,2][4,8,6][0,5,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,7,5][0,2,6][4,8,3]]

Generated Nodes :

[[0,7,5][1,2,6][4,8,3]] - $f(n) = 24 + 6 = 30$
[[1,7,5][2,0,6][4,8,3]] - $f(n) = 24 + 5 = 29$
[[1,7,5][4,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[0,4,2][1,5,6][7,8,3]]

Generated Nodes :

[[4,0,2][1,5,6][7,8,3]] - $f(n) = 25 + 4 = 29$
[[1,4,2][0,5,6][7,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,4,2][7,5,6][0,8,3]]

Generated Nodes :

[[1,4,2][0,5,6][7,8,3]] - Already visited Node!
[[1,4,2][7,5,6][8,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - [[7,2,3][0,5,6][4,8,1]]

Generated Nodes :

[[0,2,3][7,5,6][4,8,1]] - $f(n) = 26 + 3 = 29$
[[7,2,3][5,0,6][4,8,1]] - $f(n) = 26 + 4 = 30$
[[7,2,3][4,5,6][0,8,1]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,6][4,5,0][3,7,1]]

Generated Nodes :

[[8,2,0][4,5,6][3,7,1]] - Already visited Node!
[[8,2,6][4,0,5][3,7,1]] - $f(n) = 24 + 6 = 30$
[[8,2,6][4,5,1][3,7,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,0,6][4,2,1][7,8,3]]

Generated Nodes :

[[5,6,0][4,2,1][7,8,3]] - $f(n) = 24 + 5 = 29$
[[0,5,6][4,2,1][7,8,3]] - $f(n) = 24 + 5 = 29$
[[5,2,6][4,0,1][7,8,3]] - Already visited Node!

Node Chosen for Level 24 – [[5,2,6][4,8,1][7,0,3]]

Generated Nodes :

[[5,2,6][4,0,1][7,8,3]] – Already visited Node!
[[5,2,6][4,8,1][7,3,0]] – Already visited Node!
[[5,2,6][4,8,1][0,7,3]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[4,2,6][7,5,0][3,8,1]]

Generated Nodes :

[[4,2,0][7,5,6][3,8,1]] – Already visited Node!
[[4,2,6][7,0,5][3,8,1]] – $f(n) = 24 + 6 = 30$
[[4,2,6][7,5,1][3,8,0]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 21 – [[4,7,0][5,6,2][8,3,1]]

Generated Nodes :

[[4,0,7][5,6,2][8,3,1]] – $f(n) = 21 + 8 = 29$
[[4,7,2][5,6,0][8,3,1]] – Already visited Node!

Node Chosen for Level 21 – [[4,7,2][5,6,1][8,3,0]]

Generated Nodes :

[[4,7,2][5,6,0][8,3,1]] – Already visited Node!
[[4,7,2][5,6,1][8,0,3]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,6,0][8,2,1][3,5,4]]

Generated Nodes :

[[7,0,6][8,2,1][3,5,4]] – Already visited Node!
[[7,6,1][8,2,0][3,5,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,7,6][8,2,1][3,5,4]]

Generated Nodes :

[[7,0,6][8,2,1][3,5,4]] – Already visited Node!
[[8,7,6][0,2,1][3,5,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,7,0][3,6,2][4,5,1]]

Generated Nodes :

[[8,0,7][3,6,2][4,5,1]] – $f(n) = 21 + 8 = 29$
[[8,7,2][3,6,0][4,5,1]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,2][3,6,1][4,5,0]]

Generated Nodes :

[[8,7,2][3,6,0][4,5,1]] - Already visited Node!
[[8,7,2][3,6,1][4,0,5]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,1,0][8,2,4][3,5,6]]

Generated Nodes :

[[7,0,1][8,2,4][3,5,6]] - Already visited Node!
[[7,1,4][8,2,0][3,5,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,1][8,2,4][3,5,6]]

Generated Nodes :

[[7,0,1][8,2,4][3,5,6]] - Already visited Node!
[[8,7,1][0,2,4][3,5,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 23 - [[7,4,0][5,2,6][1,8,3]]

Generated Nodes :

[[7,0,4][5,2,6][1,8,3]] - Already visited Node!
[[7,4,6][5,2,0][1,8,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,4][5,2,6][1,8,3]]

Generated Nodes :

[[7,0,4][5,2,6][1,8,3]] - Already visited Node!
[[5,7,4][0,2,6][1,8,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][5,6,4][1,8,3]]

Generated Nodes :

[[7,0,2][5,6,4][1,8,3]] - $f(n) = 23 + 7 = 30$
[[7,2,4][5,6,0][1,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,4][5,6,3][1,8,0]]

Generated Nodes :

[[7,2,4][5,6,0][1,8,3]] - Already visited Node!
[[7,2,4][5,6,3][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,2,4][5,8,6][1,3,0]]

Generated Nodes :

$[[7,2,4][5,8,0][1,3,6]] - f(n) = 23 + 7 = 30$
 $[[7,2,4][5,8,6][1,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,4][5,8,6][0,1,3]]$

Generated Nodes :

$[[7,2,4][0,8,6][5,1,3]] - f(n) = 23 + 6 = 29$
 $[[7,2,4][5,8,6][1,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,7,8][3,2,5][1,6,4]]$

Generated Nodes :

$[[7,0,8][3,2,5][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,8][0,2,5][1,6,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - $[[7,2,6][0,3,5][1,4,8]]$

Generated Nodes :

$[[0,2,6][7,3,5][1,4,8]] - f(n) = 22 + 7 = 29$
 $[[7,2,6][3,0,5][1,4,8]] - \text{Already visited Node!}$
 $[[7,2,6][1,3,5][0,4,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,6][3,4,5][1,0,8]]$

Generated Nodes :

$[[7,2,6][3,0,5][1,4,8]] - \text{Already visited Node!}$
 $[[7,2,6][3,4,5][1,8,0]] - f(n) = 22 + 6 = 28$
 $[[7,2,6][3,4,5][0,1,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,6][0,1,5][8,4,3]]$

Generated Nodes :

$[[0,2,6][7,1,5][8,4,3]] - f(n) = 22 + 7 = 29$
 $[[7,2,6][1,0,5][8,4,3]] - \text{Already visited Node!}$
 $[[7,2,6][8,1,5][0,4,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,6][1,4,5][8,0,3]]$

Generated Nodes :

$[[7,2,6][1,0,5][8,4,3]] - \text{Already visited Node!}$
 $[[7,2,6][1,4,5][8,3,0]] - f(n) = 22 + 7 = 29$
 $[[7,2,6][1,4,5][0,8,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - $[[0,5,2][7,4,3][8,1,6]]$

Generated Nodes :

[[5,0,2][7,4,3][8,1,6]] - $f(n) = 21 + 8 = 29$
[[7,5,2][0,4,3][8,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][8,4,3][0,1,6]]

Generated Nodes :

[[7,5,2][0,4,3][8,1,6]] - Already visited Node!
[[7,5,2][8,4,3][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,6,0][7,2,8][3,4,1]]

Generated Nodes :

[[5,0,6][7,2,8][3,4,1]] - Already visited Node!
[[5,6,8][7,2,0][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,6][7,2,8][3,4,1]]

Generated Nodes :

[[5,0,6][7,2,8][3,4,1]] - Already visited Node!
[[7,5,6][0,2,8][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,2][3,0,1][4,6,8]]

Generated Nodes :

[[7,0,2][3,5,1][4,6,8]] - $f(n) = 21 + 7 = 28$
[[7,5,2][3,1,0][4,6,8]] - $f(n) = 21 + 8 = 29$
[[7,5,2][0,3,1][4,6,8]] - $f(n) = 21 + 8 = 29$
[[7,5,2][3,6,1][4,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][3,6,1][0,4,8]]

Generated Nodes :

[[7,5,2][0,6,1][3,4,8]] - $f(n) = 21 + 8 = 29$
[[7,5,2][3,6,1][4,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[5,6,0][7,2,4][8,3,1]]

Generated Nodes :

[[5,0,6][7,2,4][8,3,1]] - Already visited Node!
[[5,6,4][7,2,0][8,3,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,6][7,2,4][8,3,1]]

Generated Nodes :

[[5,0,6][7,2,4][8,3,1]] - Already visited Node!
[[7,5,6][0,2,4][8,3,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 23 - [[7,2,6][3,5,1][0,4,8]]

Generated Nodes :

[[7,2,6][0,5,1][3,4,8]] - $f(n) = 23 + 6 = 29$
[[7,2,6][3,5,1][4,0,8]] - Already visited Node!

Node Chosen for Level 21 - [[2,6,0][7,8,5][3,4,1]]

Generated Nodes :

[[2,0,6][7,8,5][3,4,1]] - Already visited Node!
[[2,6,5][7,8,0][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,8,6][7,0,5][3,4,1]]

Generated Nodes :

[[2,0,6][7,8,5][3,4,1]] - Already visited Node!
[[2,8,6][7,5,0][3,4,1]] - $f(n) = 21 + 7 = 28$
[[2,8,6][0,7,5][3,4,1]] - $f(n) = 21 + 8 = 29$
[[2,8,6][7,4,5][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,1,0][7,8,5][3,6,4]]

Generated Nodes :

[[2,0,1][7,8,5][3,6,4]] - Already visited Node!
[[2,1,5][7,8,0][3,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,8,1][7,0,5][3,6,4]]

Generated Nodes :

[[2,0,1][7,8,5][3,6,4]] - Already visited Node!
[[2,8,1][7,5,0][3,6,4]] - $f(n) = 21 + 7 = 28$
[[2,8,1][0,7,5][3,6,4]] - $f(n) = 21 + 8 = 29$
[[2,8,1][7,6,5][3,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,4,0][7,1,5][8,3,6]]

Generated Nodes :

[[2,0,4][7,1,5][8,3,6]] - Already visited Node!
[[2,4,5][7,1,0][8,3,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,1,4][7,0,5][8,3,6]]

Generated Nodes :

[[2,0,4][7,1,5][8,3,6]] - Already visited Node!
[[2,1,4][7,5,0][8,3,6]] - $f(n) = 21 + 7 = 28$
[[2,1,4][0,7,5][8,3,6]] - $f(n) = 21 + 8 = 29$
[[2,1,4][7,3,5][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[4,0,2][8,7,6][3,5,1]]

Generated Nodes :

[[4,2,0][8,7,6][3,5,1]] - $f(n) = 22 + 6 = 28$
[[0,4,2][8,7,6][3,5,1]] - $f(n) = 22 + 7 = 29$
[[4,7,2][8,0,6][3,5,1]] - Already visited Node!

Node Chosen for Level 22 - [[4,7,2][0,8,6][3,5,1]]

Generated Nodes :

[[0,7,2][4,8,6][3,5,1]] - $f(n) = 22 + 6 = 28$
[[4,7,2][8,0,6][3,5,1]] - Already visited Node!
[[4,7,2][3,8,6][0,5,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - [[4,7,5][6,0,2][8,3,1]]

Generated Nodes :

[[4,0,5][6,7,2][8,3,1]] - $f(n) = 21 + 8 = 29$
[[4,7,5][6,2,0][8,3,1]] - $f(n) = 21 + 8 = 29$
[[4,7,5][0,6,2][8,3,1]] - Already visited Node!
[[4,7,5][6,3,2][8,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,7,5][8,6,2][0,3,1]]

Generated Nodes :

[[4,7,5][0,6,2][8,3,1]] - Already visited Node!
[[4,7,5][8,6,2][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,6,5][7,4,2][8,3,1]]

Generated Nodes :

[[6,0,5][7,4,2][8,3,1]] - $f(n) = 21 + 8 = 29$
[[7,6,5][0,4,2][8,3,1]] - Already visited Node!

Node Chosen for Level 21 - [[0,5,2][7,4,1][8,6,3]]

Generated Nodes :

[[5,0,2][7,4,1][8,6,3]] - $f(n) = 21 + 8 = 29$
[[7,5,2][0,4,1][8,6,3]] - Already visited Node!

Node Chosen for Level 21 – [[7,5,2][8,4,1][0,6,3]]

Generated Nodes :

[[7,5,2][0,4,1][8,6,3]] – Already visited Node!
[[7,5,2][8,4,1][6,0,3]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 23 – [[2,4,0][7,5,6][3,1,8]]

Generated Nodes :

[[2,0,4][7,5,6][3,1,8]] – Already visited Node!
[[2,4,6][7,5,0][3,1,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 – [[7,2,6][5,1,0][8,3,4]]

Generated Nodes :

[[7,2,0][5,1,6][8,3,4]] – $f(n) = 22 + 6 = 28$
[[7,2,6][5,0,1][8,3,4]] – Already visited Node!
[[7,2,6][5,1,4][8,3,0]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,2,6][5,3,1][8,0,4]]

Generated Nodes :

[[7,2,6][5,0,1][8,3,4]] – Already visited Node!
[[7,2,6][5,3,1][8,4,0]] – $f(n) = 22 + 7 = 29$
[[7,2,6][5,3,1][0,8,4]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 – [[5,4,0][7,3,2][8,1,6]]

Generated Nodes :

[[5,0,4][7,3,2][8,1,6]] – $f(n) = 21 + 8 = 29$
[[5,4,2][7,3,0][8,1,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,4,2][7,0,3][8,1,6]]

Generated Nodes :

[[5,0,2][7,4,3][8,1,6]] – $f(n) = 21 + 8 = 29$
[[5,4,2][7,3,0][8,1,6]] – Already visited Node!
[[5,4,2][0,7,3][8,1,6]] – $f(n) = 21 + 8 = 29$
[[5,4,2][7,1,3][8,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,4,0][3,2,8][1,7,6]]

Generated Nodes :

[[5,0,4][3,2,8][1,7,6]] – Already visited Node!
[[5,4,8][3,2,0][1,7,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[0,5,4][3,2,8][1,7,6]]$

Generated Nodes :

$[[5,0,4][3,2,8][1,7,6]]$ – Already visited Node!
 $[[3,5,4][0,2,8][1,7,6]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[0,5,2][7,1,4][3,6,8]]$

Generated Nodes :

$[[5,0,2][7,1,4][3,6,8]]$ – Already visited Node!
 $[[7,5,2][0,1,4][3,6,8]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[5,1,2][7,0,4][3,6,8]]$

Generated Nodes :

$[[5,0,2][7,1,4][3,6,8]]$ – Already visited Node!
 $[[5,1,2][7,4,0][3,6,8]]$ – $f(n) = 21 + 8 = 29$
 $[[5,1,2][0,7,4][3,6,8]]$ – $f(n) = 21 + 8 = 29$
 $[[5,1,2][7,6,4][3,0,8]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[5,4,0][7,2,1][3,6,8]]$

Generated Nodes :

$[[5,0,4][7,2,1][3,6,8]]$ – Already visited Node!
 $[[5,4,1][7,2,0][3,6,8]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[0,5,4][7,2,1][3,6,8]]$

Generated Nodes :

$[[5,0,4][7,2,1][3,6,8]]$ – Already visited Node!
 $[[7,5,4][0,2,1][3,6,8]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[3,7,5][1,0,2][8,4,6]]$

Generated Nodes :

$[[3,0,5][1,7,2][8,4,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,5][1,2,0][8,4,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,5][0,1,2][8,4,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,5][1,4,2][8,0,6]]$ – Already visited Node!

Node Chosen for Level 21 – $[[3,7,5][1,4,2][8,6,0]]$

Generated Nodes :

$[[3,7,5][1,4,0][8,6,2]]$ – $f(n) = 21 + 8 = 29$

[[3,7,5][1,4,2][8,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][1,0,4][8,7,6]]

Generated Nodes :

[[5,0,2][1,3,4][8,7,6]] - $f(n) = 21 + 8 = 29$
[[5,3,2][1,4,0][8,7,6]] - $f(n) = 21 + 8 = 29$
[[5,3,2][0,1,4][8,7,6]] - $f(n) = 21 + 8 = 29$
[[5,3,2][1,7,4][8,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][1,7,4][8,6,0]]

Generated Nodes :

[[5,3,2][1,7,0][8,6,4]] - $f(n) = 21 + 8 = 29$
[[5,3,2][1,7,4][8,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,1][5,4,0][8,3,6]]

Generated Nodes :

[[7,2,0][5,4,1][8,3,6]] - $f(n) = 22 + 7 = 29$
[[7,2,1][5,0,4][8,3,6]] - Already visited Node!
[[7,2,1][5,4,6][8,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,2,1][5,3,4][8,0,6]]

Generated Nodes :

[[7,2,1][5,0,4][8,3,6]] - Already visited Node!
[[7,2,1][5,3,4][8,6,0]] - $f(n) = 22 + 7 = 29$
[[7,2,1][5,3,4][0,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 21 - [[0,5,2][8,4,7][3,1,6]]

Generated Nodes :

[[5,0,2][8,4,7][3,1,6]] - $f(n) = 21 + 8 = 29$
[[8,5,2][0,4,7][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,5,2][3,4,7][0,1,6]]

Generated Nodes :

[[8,5,2][0,4,7][3,1,6]] - Already visited Node!
[[8,5,2][3,4,7][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,8,7][2,0,5][3,1,6]]

Generated Nodes :

$[[4,0,7][2,8,5][3,1,6]] - f(n) = 21 + 8 = 29$
 $[[4,8,7][2,5,0][3,1,6]] - f(n) = 21 + 7 = 28$
 $[[4,8,7][0,2,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,7][2,1,5][3,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[4,8,7][3,2,5][0,1,6]]$

Generated Nodes :

$[[4,8,7][0,2,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,8,7][3,2,5][1,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,7,5][3,4,1][0,6,2]]$

Generated Nodes :

$[[8,7,5][0,4,1][3,6,2]] - \text{Already visited Node!}$
 $[[8,7,5][3,4,1][6,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,5,6][8,0,4][3,2,1]]$

Generated Nodes :

$[[7,0,6][8,5,4][3,2,1]] - f(n) = 21 + 7 = 28$
 $[[7,5,6][8,4,0][3,2,1]] - \text{Already visited Node!}$
 $[[7,5,6][0,8,4][3,2,1]] - f(n) = 21 + 8 = 29$
 $[[7,5,6][8,2,4][3,0,1]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,5,6][8,4,1][3,2,0]]$

Generated Nodes :

$[[7,5,6][8,4,0][3,2,1]] - \text{Already visited Node!}$
 $[[7,5,6][8,4,1][3,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,4,0][2,6,5][8,3,1]]$

Generated Nodes :

$[[7,0,4][2,6,5][8,3,1]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][2,6,0][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,5][2,6,1][8,3,0]]$

Generated Nodes :

$[[7,4,5][2,6,0][8,3,1]] - \text{Already visited Node!}$
 $[[7,4,5][2,6,1][8,0,3]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[2,4,0][5,7,1][8,3,6]]$

Generated Nodes :

[[2,0,4][5,7,1][8,3,6]] - Already visited Node!
[[2,4,1][5,7,0][8,3,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[2,7,4][5,0,1][8,3,6]]

Generated Nodes :

[[2,0,4][5,7,1][8,3,6]] - Already visited Node!
[[2,7,4][5,1,0][8,3,6]] - $f(n) = 21 + 8 = 29$
[[2,7,4][0,5,1][8,3,6]] - $f(n) = 21 + 7 = 28$
[[2,7,4][5,3,1][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[1,0,2][8,7,5][3,6,4]]

Generated Nodes :

[[1,2,0][8,7,5][3,6,4]] - $f(n) = 22 + 6 = 28$
[[0,1,2][8,7,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[1,7,2][8,0,5][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,2][0,8,5][3,6,4]]

Generated Nodes :

[[0,7,2][1,8,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[1,7,2][8,0,5][3,6,4]] - Already visited Node!
[[1,7,2][3,8,5][0,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,7,2][8,6,5][3,0,4]]

Generated Nodes :

[[1,7,2][8,0,5][3,6,4]] - Already visited Node!
[[1,7,2][8,6,5][3,4,0]] - $f(n) = 22 + 7 = 29$
[[1,7,2][8,6,5][0,3,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[5,2,0][8,3,4][7,1,6]]

Generated Nodes :

[[5,0,2][8,3,4][7,1,6]] - $f(n) = 23 + 7 = 30$
[[5,2,4][8,3,0][7,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][8,0,3][7,1,6]]

Generated Nodes :

[[5,0,4][8,2,3][7,1,6]] - $f(n) = 23 + 7 = 30$
[[5,2,4][8,3,0][7,1,6]] - Already visited Node!
[[5,2,4][0,8,3][7,1,6]] - Already visited Node!
[[5,2,4][8,1,3][7,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 – [[7,2,8][3,4,0][1,5,6]]

Generated Nodes :

[[7,2,0][3,4,8][1,5,6]] – $f(n) = 22 + 7 = 29$
[[7,2,8][3,0,4][1,5,6]] – Already visited Node!
[[7,2,8][3,4,6][1,5,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,2,8][0,3,4][1,5,6]]

Generated Nodes :

[[0,2,8][7,3,4][1,5,6]] – $f(n) = 22 + 7 = 29$
[[7,2,8][3,0,4][1,5,6]] – Already visited Node!
[[7,2,8][1,3,4][0,5,6]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[3,0,2][5,7,6][1,4,8]]

Generated Nodes :

[[3,2,0][5,7,6][1,4,8]] – $f(n) = 22 + 6 = 28$
[[0,3,2][5,7,6][1,4,8]] – $f(n) = 22 + 7 = 29$
[[3,7,2][5,0,6][1,4,8]] – Already visited Node!

Node Chosen for Level 21 – [[8,4,0][5,2,7][3,1,6]]

Generated Nodes :

[[8,0,4][5,2,7][3,1,6]] – Already visited Node!
[[8,4,7][5,2,0][3,1,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,8,4][5,2,7][3,1,6]]

Generated Nodes :

[[8,0,4][5,2,7][3,1,6]] – Already visited Node!
[[5,8,4][0,2,7][3,1,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,1,0][7,2,8][3,6,4]]

Generated Nodes :

[[5,0,1][7,2,8][3,6,4]] – Already visited Node!
[[5,1,8][7,2,0][3,6,4]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,1][7,2,8][3,6,4]]

Generated Nodes :

[[5,0,1][7,2,8][3,6,4]] – Already visited Node!
[[7,5,1][0,2,8][3,6,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,5,2][3,0,4][6,1,8]]

Generated Nodes :

[[7,0,2][3,5,4][6,1,8]] – $f(n) = 21 + 7 = 28$
[[7,5,2][3,4,0][6,1,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][0,3,4][6,1,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,1,4][6,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][3,1,4][0,6,8]]

Generated Nodes :

[[7,5,2][0,1,4][3,6,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,1,4][6,0,8]] – Already visited Node!

Node Chosen for Level 21 – [[5,1,0][7,6,2][8,4,3]]

Generated Nodes :

[[5,0,1][7,6,2][8,4,3]] – $f(n) = 21 + 8 = 29$
[[5,1,2][7,6,0][8,4,3]] – Already visited Node!

Node Chosen for Level 21 – [[5,1,2][7,6,3][8,4,0]]

Generated Nodes :

[[5,1,2][7,6,0][8,4,3]] – Already visited Node!
[[5,1,2][7,6,3][8,0,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,0,2][5,7,1][6,8,4]]

Generated Nodes :

[[3,2,0][5,7,1][6,8,4]] – $f(n) = 22 + 6 = 28$
[[0,3,2][5,7,1][6,8,4]] – $f(n) = 22 + 7 = 29$
[[3,7,2][5,0,1][6,8,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,7,2][5,1,0][6,8,4]]

Generated Nodes :

[[3,7,0][5,1,2][6,8,4]] – $f(n) = 22 + 7 = 29$
[[3,7,2][5,0,1][6,8,4]] – Already visited Node!
[[3,7,2][5,1,4][6,8,0]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 – [[4,5,2][8,0,6][7,3,1]]

Generated Nodes :

[[4,0,2][8,5,6][7,3,1]] – $f(n) = 23 + 5 = 28$

$[[4,5,2][8,6,0][7,3,1]] - f(n) = 23 + 7 = 30$
 $[[4,5,2][0,8,6][7,3,1]] - \text{Already visited Node!}$
 $[[4,5,2][8,3,6][7,0,1]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,8,0][4,3,2][7,1,6]]$

Generated Nodes :

$[[5,0,8][4,3,2][7,1,6]] - f(n) = 23 + 6 = 29$
 $[[5,8,2][4,3,0][7,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,8,2][4,0,3][7,1,6]]$

Generated Nodes :

$[[5,0,2][4,8,3][7,1,6]] - f(n) = 23 + 6 = 29$
 $[[5,8,2][4,3,0][7,1,6]] - \text{Already visited Node!}$
 $[[5,8,2][0,4,3][7,1,6]] - f(n) = 23 + 7 = 30$
 $[[5,8,2][4,1,3][7,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[7,2,1][3,5,4][0,6,8]]$

Generated Nodes :

$[[7,2,1][0,5,4][3,6,8]] - f(n) = 23 + 6 = 29$
 $[[7,2,1][3,5,4][6,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,2][1,3,4][5,8,6]]$

Generated Nodes :

$[[7,2,0][1,3,4][5,8,6]] - f(n) = 22 + 6 = 28$
 $[[0,7,2][1,3,4][5,8,6]] - \text{Already visited Node!}$
 $[[7,3,2][1,0,4][5,8,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,8,2][0,4,6][1,7,3]]$

Generated Nodes :

$[[0,8,2][5,4,6][1,7,3]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][4,0,6][1,7,3]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][1,4,6][0,7,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,3,2][5,8,4][7,6,0]]$

Generated Nodes :

$[[1,3,2][5,8,0][7,6,4]] - f(n) = 23 + 6 = 29$
 $[[1,3,2][5,8,4][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,7,2][3,5,6][0,1,8]]$

Generated Nodes :

[[4,7,2][0,5,6][3,1,8]] - Already visited Node!
[[4,7,2][3,5,6][1,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[7,2,1][6,3,5][8,0,4]]

Generated Nodes :

[[7,2,1][6,0,5][8,3,4]] - Already visited Node!
[[7,2,1][6,3,5][8,4,0]] - $f(n) = 22 + 7 = 29$
[[7,2,1][6,3,5][0,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[5,4,0][3,6,2][7,8,1]]

Generated Nodes :

[[5,0,4][3,6,2][7,8,1]] - $f(n) = 23 + 6 = 29$
[[5,4,2][3,6,0][7,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][3,6,1][7,8,0]]

Generated Nodes :

[[5,4,2][3,6,0][7,8,1]] - Already visited Node!
[[5,4,2][3,6,1][7,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,4,2][3,8,6][7,1,0]]

Generated Nodes :

[[5,4,2][3,8,0][7,1,6]] - $f(n) = 23 + 7 = 30$
[[5,4,2][3,8,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,0][5,3,1][7,8,6]]

Generated Nodes :

[[2,0,4][5,3,1][7,8,6]] - Already visited Node!
[[2,4,1][5,3,0][7,8,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[2,3,4][5,0,1][7,8,6]]

Generated Nodes :

[[2,0,4][5,3,1][7,8,6]] - Already visited Node!
[[2,3,4][5,1,0][7,8,6]] - $f(n) = 23 + 6 = 29$
[[2,3,4][0,5,1][7,8,6]] - $f(n) = 23 + 5 = 28$
[[2,3,4][5,8,1][7,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,4,0][3,2,1][7,8,6]]

Generated Nodes :

[[5,0,4][3,2,1][7,8,6]] - Already visited Node!
[[5,4,1][3,2,0][7,8,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,5,4][3,2,1][7,8,6]]

Generated Nodes :

[[5,0,4][3,2,1][7,8,6]] - Already visited Node!
[[3,5,4][0,2,1][7,8,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,4][3,8,1][7,6,0]]

Generated Nodes :

[[5,2,4][3,8,0][7,6,1]] - $f(n) = 23 + 6 = 29$
[[5,2,4][3,8,1][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,6][7,3,5][4,8,1]]

Generated Nodes :

[[2,0,6][7,3,5][4,8,1]] - $f(n) = 23 + 7 = 30$
[[7,2,6][0,3,5][4,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][7,0,3][4,8,1]]

Generated Nodes :

[[5,0,6][7,2,3][4,8,1]] - $f(n) = 23 + 7 = 30$
[[5,2,6][7,3,0][4,8,1]] - Already visited Node!
[[5,2,6][0,7,3][4,8,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][7,8,3][4,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,3,1][4,8,0]]

Generated Nodes :

[[5,2,6][7,3,0][4,8,1]] - Already visited Node!
[[5,2,6][7,3,1][4,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[8,1,2][7,5,4][3,0,6]]

Generated Nodes :

[[8,1,2][7,0,4][3,5,6]] - $f(n) = 22 + 8 = 30$
[[8,1,2][7,5,4][3,6,0]] - $f(n) = 22 + 7 = 29$
[[8,1,2][7,5,4][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,5,2][7,8,4][3,0,6]]

Generated Nodes :

[[1,5,2][7,0,4][3,8,6]] - $f(n) = 22 + 6 = 28$
[[1,5,2][7,8,4][3,6,0]] - Already visited Node!
[[1,5,2][7,8,4][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][7,0,3][4,8,1]]

Generated Nodes :

[[5,0,6][7,2,3][4,8,1]] - $f(n) = 23 + 7 = 30$
[[5,2,6][7,3,0][4,8,1]] - Already visited Node!
[[5,2,6][0,7,3][4,8,1]] - $f(n) = 23 + 6 = 29$
[[5,2,6][7,8,3][4,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,3,1][4,8,0]]

Generated Nodes :

[[5,2,6][7,3,0][4,8,1]] - Already visited Node!
[[5,2,6][7,3,1][4,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,0,4][1,8,3]]

Generated Nodes :

[[5,0,6][7,2,4][1,8,3]] - $f(n) = 23 + 7 = 30$
[[5,2,6][7,4,0][1,8,3]] - Already visited Node!
[[5,2,6][0,7,4][1,8,3]] - $f(n) = 23 + 6 = 29$
[[5,2,6][7,8,4][1,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,4,3][1,8,0]]

Generated Nodes :

[[5,2,6][7,4,0][1,8,3]] - Already visited Node!
[[5,2,6][7,4,3][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,6][5,0,4][7,3,1]]

Generated Nodes :

[[8,0,6][5,2,4][7,3,1]] - $f(n) = 23 + 7 = 30$
[[8,2,6][5,4,0][7,3,1]] - Already visited Node!
[[8,2,6][0,5,4][7,3,1]] - $f(n) = 23 + 5 = 28$
[[8,2,6][5,3,4][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[8,2,6][5,4,1][7,3,0]]

Generated Nodes :

[[8,2,6][5,4,0][7,3,1]] - Already visited Node!

$[[8,2,6][5,4,1][7,0,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,1,2][3,0,6][7,4,8]]$

Generated Nodes :

$[[5,0,2][3,1,6][7,4,8]] - f(n) = 23 + 6 = 29$
 $[[5,1,2][3,6,0][7,4,8]] - f(n) = 23 + 7 = 30$
 $[[5,1,2][0,3,6][7,4,8]] - f(n) = 23 + 6 = 29$
 $[[5,1,2][3,4,6][7,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,2,4][5,0,6][1,7,8]]$

Generated Nodes :

$[[3,0,4][5,2,6][1,7,8]] - f(n) = 23 + 7 = 30$
 $[[3,2,4][5,6,0][1,7,8]] - f(n) = 23 + 7 = 30$
 $[[3,2,4][0,5,6][1,7,8]] - f(n) = 23 + 5 = 28$
 $[[3,2,4][5,7,6][1,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,2,4][5,7,6][0,1,8]]$

Generated Nodes :

$[[3,2,4][0,7,6][5,1,8]] - f(n) = 23 + 6 = 29$
 $[[3,2,4][5,7,6][1,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,0][4,1,2][3,8,6]]$

Generated Nodes :

$[[7,0,5][4,1,2][3,8,6]] - f(n) = 23 + 6 = 29$
 $[[7,5,2][4,1,0][3,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,2][4,0,1][3,8,6]]$

Generated Nodes :

$[[7,0,2][4,5,1][3,8,6]] - f(n) = 23 + 5 = 28$
 $[[7,5,2][4,1,0][3,8,6]] - \text{Already visited Node!}$
 $[[7,5,2][0,4,1][3,8,6]] - f(n) = 23 + 7 = 30$
 $[[7,5,2][4,8,1][3,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - $[[1,0,2][5,7,3][8,6,4]]$

Generated Nodes :

$[[1,2,0][5,7,3][8,6,4]] - f(n) = 22 + 6 = 28$
 $[[0,1,2][5,7,3][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[1,7,2][5,0,3][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,7,2][5,6,3][8,0,4]]$

Generated Nodes :

[[1,7,2][5,0,3][8,6,4]] - Already visited Node!
[[1,7,2][5,6,3][8,4,0]] - $f(n) = 22 + 7 = 29$
[[1,7,2][5,6,3][0,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[3,7,5][4,0,6][1,2,8]]

Generated Nodes :

[[3,0,5][4,7,6][1,2,8]] - $f(n) = 23 + 6 = 29$
[[3,7,5][4,6,0][1,2,8]] - $f(n) = 23 + 7 = 30$
[[3,7,5][0,4,6][1,2,8]] - $f(n) = 23 + 7 = 30$
[[3,7,5][4,2,6][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][4,2,6][0,1,8]]

Generated Nodes :

[[3,7,5][0,2,6][4,1,8]] - $f(n) = 23 + 7 = 30$
[[3,7,5][4,2,6][1,0,8]] - Already visited Node!

Node Chosen for Level 24 - [[3,0,2][1,5,4][7,8,6]]

Generated Nodes :

[[3,2,0][1,5,4][7,8,6]] - $f(n) = 24 + 4 = 28$
[[0,3,2][1,5,4][7,8,6]] - Already visited Node!
[[3,5,2][1,0,4][7,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[1,7,5][3,0,2][4,8,6]]

Generated Nodes :

[[1,0,5][3,7,2][4,8,6]] - $f(n) = 23 + 6 = 29$
[[1,7,5][3,2,0][4,8,6]] - $f(n) = 23 + 6 = 29$
[[1,7,5][0,3,2][4,8,6]] - Already visited Node!
[[1,7,5][3,8,2][4,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - [[1,2,4][5,0,6][7,3,8]]

Generated Nodes :

[[1,0,4][5,2,6][7,3,8]] - $f(n) = 25 + 5 = 30$
[[1,2,4][5,6,0][7,3,8]] - $f(n) = 25 + 5 = 30$
[[1,2,4][0,5,6][7,3,8]] - $f(n) = 25 + 3 = 28$
[[1,2,4][5,3,6][7,0,8]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,6][4,1,3][7,8,0]]

Generated Nodes :

[[5,2,6][4,1,0][7,8,3]] - Already visited Node!
[[5,2,6][4,1,3][7,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,2,6][5,0,4][7,8,3]]

Generated Nodes :

[[1,0,6][5,2,4][7,8,3]] - $f(n) = 25 + 5 = 30$
[[1,2,6][5,4,0][7,8,3]] - Already visited Node!
[[1,2,6][0,5,4][7,8,3]] - $f(n) = 25 + 3 = 28$
[[1,2,6][5,8,4][7,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,2,6][5,4,3][7,8,0]]

Generated Nodes :

[[1,2,6][5,4,0][7,8,3]] - Already visited Node!
[[1,2,6][5,4,3][7,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - [[7,2,3][4,1,5][8,0,6]]

Generated Nodes :

[[7,2,3][4,0,5][8,1,6]] - Already visited Node!
[[7,2,3][4,1,5][8,6,0]] - $f(n) = 24 + 5 = 29$
[[7,2,3][4,1,5][0,8,6]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 22 - [[3,7,4][0,2,6][1,5,8]]

Generated Nodes :

[[0,7,4][3,2,6][1,5,8]] - Already visited Node!
[[3,7,4][2,0,6][1,5,8]] - $f(n) = 22 + 7 = 29$
[[3,7,4][1,2,6][0,5,8]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,2,4][3,6,8][1,0,5]]

Generated Nodes :

[[7,2,4][3,0,8][1,6,5]] - Already visited Node!
[[7,2,4][3,6,8][1,5,0]] - Already visited Node!
[[7,2,4][3,6,8][0,1,5]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - [[0,3,2][1,7,4][8,5,6]]

Generated Nodes :

[[3,0,2][1,7,4][8,5,6]] - Already visited Node!
[[1,3,2][0,7,4][8,5,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[3,7,0][1,4,2][8,5,6]]

Generated Nodes :

[[3,0,7][1,4,2][8,5,6]] - $f(n) = 21 + 8 = 29$
[[3,7,2][1,4,0][8,5,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,2][3,1,4][8,5,6]]

Generated Nodes :

[[7,0,2][3,1,4][8,5,6]] - $f(n) = 21 + 8 = 29$
[[3,7,2][0,1,4][8,5,6]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,2][8,1,4][0,5,6]]

Generated Nodes :

[[3,7,2][0,1,4][8,5,6]] - Already visited Node!
[[3,7,2][8,1,4][5,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[7,2,4][1,6,3][8,0,5]]

Generated Nodes :

[[7,2,4][1,0,3][8,6,5]] - Already visited Node!
[[7,2,4][1,6,3][8,5,0]] - Already visited Node!
[[7,2,4][1,6,3][0,8,5]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[0,2,6][7,3,5][4,8,1]]

Generated Nodes :

[[2,0,6][7,3,5][4,8,1]] - $f(n) = 23 + 7 = 30$
[[7,2,6][0,3,5][4,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,6][7,4,2][3,8,1]]

Generated Nodes :

[[5,6,0][7,4,2][3,8,1]] - $f(n) = 22 + 7 = 29$
[[0,5,6][7,4,2][3,8,1]] - $f(n) = 22 + 7 = 29$
[[5,4,6][7,0,2][3,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,6][0,7,2][3,8,1]]

Generated Nodes :

[[0,4,6][5,7,2][3,8,1]] - $f(n) = 22 + 7 = 29$
[[5,4,6][7,0,2][3,8,1]] - Already visited Node!
[[5,4,6][3,7,2][0,8,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,2][0,6,4][3,8,1]]

Generated Nodes :

[[0,5,2][7,6,4][3,8,1]] - Already visited Node!
[[7,5,2][6,0,4][3,8,1]] - $f(n) = 22 + 7 = 29$
[[7,5,2][3,6,4][0,8,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,6,2][7,4,0][3,8,1]]

Generated Nodes :

[[5,6,0][7,4,2][3,8,1]] - $f(n) = 22 + 7 = 29$
[[5,6,2][7,0,4][3,8,1]] - Already visited Node!
[[5,6,2][7,4,1][3,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,6,2][0,7,4][3,8,1]]

Generated Nodes :

[[0,6,2][5,7,4][3,8,1]] - $f(n) = 22 + 7 = 29$
[[5,6,2][7,0,4][3,8,1]] - Already visited Node!
[[5,6,2][3,7,4][0,8,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,4,5][7,3,0][1,8,6]]

Generated Nodes :

[[2,4,0][7,3,5][1,8,6]] - Already visited Node!
[[2,4,5][7,0,3][1,8,6]] - $f(n) = 22 + 7 = 29$
[[2,4,5][7,3,6][1,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[2,3,4][0,7,5][1,8,6]]

Generated Nodes :

[[0,3,4][2,7,5][1,8,6]] - $f(n) = 22 + 7 = 29$
[[2,3,4][7,0,5][1,8,6]] - Already visited Node!
[[2,3,4][1,7,5][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[7,2,4][5,1,6][0,3,8]]

Generated Nodes :

[[7,2,4][0,1,6][5,3,8]] - $f(n) = 23 + 6 = 29$
[[7,2,4][5,1,6][3,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][4,1,3][8,5,0]]

Generated Nodes :

[[7,2,6][4,1,0][8,5,3]] - Already visited Node!
[[7,2,6][4,1,3][8,0,5]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 – [[8,0,7][3,5,2][4,1,6]]

Generated Nodes :

[[8,7,0][3,5,2][4,1,6]] – Already visited Node!
[[0,8,7][3,5,2][4,1,6]] – $f(n) = 22 + 7 = 29$
[[8,5,7][3,0,2][4,1,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 21 – [[0,8,2][3,7,1][6,5,4]]

Generated Nodes :

[[8,0,2][3,7,1][6,5,4]] – Already visited Node!
[[3,8,2][0,7,1][6,5,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,7,0][3,1,2][6,5,4]]

Generated Nodes :

[[8,0,7][3,1,2][6,5,4]] – $f(n) = 21 + 8 = 29$
[[8,7,2][3,1,0][6,5,4]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,2][3,1,4][6,5,0]]

Generated Nodes :

[[8,7,2][3,1,0][6,5,4]] – Already visited Node!
[[8,7,2][3,1,4][6,0,5]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,7,2][8,3,1][6,5,4]]

Generated Nodes :

[[7,0,2][8,3,1][6,5,4]] – $f(n) = 21 + 8 = 29$
[[8,7,2][0,3,1][6,5,4]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,2][6,3,1][0,5,4]]

Generated Nodes :

[[8,7,2][0,3,1][6,5,4]] – Already visited Node!
[[8,7,2][6,3,1][5,0,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,3,2][5,7,8][1,6,4]]

Generated Nodes :

[[3,0,2][5,7,8][1,6,4]] – Already visited Node!
[[5,3,2][0,7,8][1,6,4]] – Already visited Node!

Node Chosen for Level 21 – [[3,7,0][5,8,2][1,6,4]]

Generated Nodes :

[[3,0,7][5,8,2][1,6,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][5,8,0][1,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,2][5,6,8][1,4,0]]

Generated Nodes :

[[3,7,2][5,6,0][1,4,8]] - $f(n) = 21 + 8 = 29$
[[3,7,2][5,6,8][1,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,2][5,6,8][0,1,4]]

Generated Nodes :

[[3,7,2][0,6,8][5,1,4]] - $f(n) = 21 + 8 = 29$
[[3,7,2][5,6,8][1,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,4][0,2,3][1,8,6]]

Generated Nodes :

[[0,5,4][7,2,3][1,8,6]] - Already visited Node!
[[7,5,4][2,0,3][1,8,6]] - $f(n) = 22 + 7 = 29$
[[7,5,4][1,2,3][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,4][7,8,0][1,6,3]]

Generated Nodes :

[[5,2,0][7,8,4][1,6,3]] - $f(n) = 22 + 7 = 29$
[[5,2,4][7,0,8][1,6,3]] - $f(n) = 22 + 7 = 29$
[[5,2,4][7,8,3][1,6,0]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][5,3,6][8,7,1]]

Generated Nodes :

[[2,0,4][5,3,6][8,7,1]] - $f(n) = 23 + 7 = 30$
[[5,2,4][0,3,6][8,7,1]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,7][4,6,5][3,2,1]]

Generated Nodes :

[[8,7,0][4,6,5][3,2,1]] - Already visited Node!
[[0,8,7][4,6,5][3,2,1]] - $f(n) = 22 + 7 = 29$
[[8,6,7][4,0,5][3,2,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][3,4,6][2,0,1]]

Generated Nodes :

[[8,7,5][3,0,6][2,4,1]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,4,6][2,1,0]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,4,6][0,2,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,5][8,2,6][4,3,1]]

Generated Nodes :

[[7,5,0][8,2,6][4,3,1]] - $f(n) = 22 + 7 = 29$
[[0,7,5][8,2,6][4,3,1]] - Already visited Node!
[[7,2,5][8,0,6][4,3,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[8,0,5][2,7,6][4,3,1]]

Generated Nodes :

[[8,5,0][2,7,6][4,3,1]] - $f(n) = 22 + 7 = 29$
[[0,8,5][2,7,6][4,3,1]] - $f(n) = 22 + 7 = 29$
[[8,7,5][2,0,6][4,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][2,3,6][4,0,1]]

Generated Nodes :

[[8,7,5][2,0,6][4,3,1]] - Already visited Node!
[[8,7,5][2,3,6][4,1,0]] - $f(n) = 22 + 7 = 29$
[[8,7,5][2,3,6][0,4,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,4][0,2,6][8,1,3]]

Generated Nodes :

[[0,5,4][7,2,6][8,1,3]] - Already visited Node!
[[7,5,4][2,0,6][8,1,3]] - $f(n) = 22 + 7 = 29$
[[7,5,4][8,2,6][0,1,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,4][7,6,3][8,0,1]]

Generated Nodes :

[[5,2,4][7,0,3][8,6,1]] - Already visited Node!
[[5,2,4][7,6,3][8,1,0]] - Already visited Node!
[[5,2,4][7,6,3][0,8,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[0,3,2][5,7,6][4,8,1]]

Generated Nodes :

[[3,0,2][5,7,6][4,8,1]] - Already visited Node!

[[5,3,2][0,7,6][4,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[2,4,8][5,1,0][7,3,6]]

Generated Nodes :

[[2,4,0][5,1,8][7,3,6]] - Already visited Node!

[[2,4,8][5,0,1][7,3,6]] - $f(n) = 22 + 7 = 29$

[[2,4,8][5,1,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[2,1,4][5,8,0][7,3,6]]

Generated Nodes :

[[2,1,0][5,8,4][7,3,6]] - $f(n) = 22 + 7 = 29$

[[2,1,4][5,0,8][7,3,6]] - Already visited Node!

[[2,1,4][5,8,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[2,1,4][5,3,8][7,0,6]]

Generated Nodes :

[[2,1,4][5,0,8][7,3,6]] - Already visited Node!

[[2,1,4][5,3,8][7,6,0]] - $f(n) = 22 + 7 = 29$

[[2,1,4][5,3,8][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,8][1,2,0][7,3,6]]

Generated Nodes :

[[5,4,0][1,2,8][7,3,6]] - Already visited Node!

[[5,4,8][1,0,2][7,3,6]] - Already visited Node!

[[5,4,8][1,2,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,1,2][3,8,0][7,6,4]]

Generated Nodes :

[[5,1,0][3,8,2][7,6,4]] - $f(n) = 22 + 7 = 29$

[[5,1,2][3,0,8][7,6,4]] - $f(n) = 22 + 7 = 29$

[[5,1,2][3,8,4][7,6,0]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,1][7,3,5][6,8,4]]

Generated Nodes :

[[2,0,1][7,3,5][6,8,4]] - $f(n) = 23 + 7 = 30$

[[7,2,1][0,3,5][6,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][6,3,5][0,8,4]]

Generated Nodes :

[[7,2,1][0,3,5][6,8,4]] - Already visited Node!
[[7,2,1][6,3,5][8,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,2,6][5,4,7][3,0,1]]

Generated Nodes :

[[8,2,6][5,0,7][3,4,1]] - Already visited Node!
[[8,2,6][5,4,7][3,1,0]] - $f(n) = 22 + 7 = 29$
[[8,2,6][5,4,7][0,3,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,2,6][5,7,1][3,0,4]]

Generated Nodes :

[[8,2,6][5,0,1][3,7,4]] - $f(n) = 22 + 7 = 29$
[[8,2,6][5,7,1][3,4,0]] - Already visited Node!
[[8,2,6][5,7,1][0,3,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,0,2][5,7,6][1,4,8]]

Generated Nodes :

[[3,2,0][5,7,6][1,4,8]] - $f(n) = 22 + 6 = 28$
[[0,3,2][5,7,6][1,4,8]] - $f(n) = 22 + 7 = 29$
[[3,7,2][5,0,6][1,4,8]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,2][0,4,6][5,1,8]]

Generated Nodes :

[[0,7,2][3,4,6][5,1,8]] - $f(n) = 22 + 7 = 29$
[[3,7,2][4,0,6][5,1,8]] - $f(n) = 22 + 6 = 28$
[[3,7,2][5,4,6][0,1,8]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,2][7,6,1][4,8,3]]

Generated Nodes :

[[5,2,0][7,6,1][4,8,3]] - $f(n) = 22 + 6 = 28$
[[0,5,2][7,6,1][4,8,3]] - Already visited Node!
[[5,6,2][7,0,1][4,8,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,2][6,1,0][4,8,3]]

Generated Nodes :

[[7,5,0][6,1,2][4,8,3]] - $f(n) = 22 + 7 = 29$
[[7,5,2][6,0,1][4,8,3]] - Already visited Node!
[[7,5,2][6,1,3][4,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,0,5][4,6,2][3,1,8]]

Generated Nodes :

[[7,5,0][4,6,2][3,1,8]] – Already visited Node!
[[0,7,5][4,6,2][3,1,8]] – $f(n) = 22 + 7 = 29$
[[7,6,5][4,0,2][3,1,8]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,5,2][4,6,8][3,0,1]]

Generated Nodes :

[[7,5,2][4,0,8][3,6,1]] – $f(n) = 22 + 7 = 29$
[[7,5,2][4,6,8][3,1,0]] – Already visited Node!
[[7,5,2][4,6,8][0,3,1]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[3,7,5][4,8,0][1,6,2]]

Generated Nodes :

[[3,7,0][4,8,5][1,6,2]] – $f(n) = 22 + 7 = 29$
[[3,7,5][4,0,8][1,6,2]] – $f(n) = 22 + 7 = 29$
[[3,7,5][4,8,2][1,6,0]] – Already visited Node!

Node Chosen for Level 22 – [[7,0,5][3,4,6][1,2,8]]

Generated Nodes :

[[7,5,0][3,4,6][1,2,8]] – $f(n) = 22 + 7 = 29$
[[0,7,5][3,4,6][1,2,8]] – $f(n) = 22 + 7 = 29$
[[7,4,5][3,0,6][1,2,8]] – Already visited Node!

Node Chosen for Level 22 – [[7,4,5][0,3,6][1,2,8]]

Generated Nodes :

[[0,4,5][7,3,6][1,2,8]] – $f(n) = 22 + 7 = 29$
[[7,4,5][3,0,6][1,2,8]] – Already visited Node!
[[7,4,5][1,3,6][0,2,8]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,4,5][0,2,6][3,1,8]]

Generated Nodes :

[[0,4,5][7,2,6][3,1,8]] – $f(n) = 22 + 7 = 29$
[[7,4,5][2,0,6][3,1,8]] – $f(n) = 22 + 7 = 29$
[[7,4,5][3,2,6][0,1,8]] – Already visited Node!

Node Chosen for Level 22 – [[5,3,2][0,7,6][1,4,8]]

Generated Nodes :

$[[0,3,2][5,7,6][1,4,8]] - f(n) = 22 + 7 = 29$
 $[[5,3,2][7,0,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,3,2][1,7,6][0,4,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,2,7][3,4,5][1,0,6]]$

Generated Nodes :

$[[8,2,7][3,0,5][1,4,6]] - \text{Already visited Node!}$
 $[[8,2,7][3,4,5][1,6,0]] - f(n) = 22 + 7 = 29$
 $[[8,2,7][3,4,5][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,5][3,4,6][1,2,8]]$

Generated Nodes :

$[[7,5,0][3,4,6][1,2,8]] - f(n) = 22 + 7 = 29$
 $[[0,7,5][3,4,6][1,2,8]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,0,6][1,2,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][0,3,6][1,2,8]]$

Generated Nodes :

$[[0,4,5][7,3,6][1,2,8]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,0,6][1,2,8]] - \text{Already visited Node!}$
 $[[7,4,5][1,3,6][0,2,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,4,5][0,2,6][3,1,8]]$

Generated Nodes :

$[[0,4,5][7,2,6][3,1,8]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][2,0,6][3,1,8]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,2,6][0,1,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,6][4,3,8][7,0,1]]$

Generated Nodes :

$[[5,2,6][4,0,8][7,3,1]] - \text{Already visited Node!}$
 $[[5,2,6][4,3,8][7,1,0]] - f(n) = 24 + 5 = 29$
 $[[5,2,6][4,3,8][0,7,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,6][4,8,1][7,0,3]]$

Generated Nodes :

$[[5,2,6][4,0,1][7,8,3]] - \text{Already visited Node!}$
 $[[5,2,6][4,8,1][7,3,0]] - \text{Already visited Node!}$
 $[[5,2,6][4,8,1][0,7,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[7,2,6][4,5,8][3,0,1]]

Generated Nodes :

[[7,2,6][4,0,8][3,5,1]] – $f(n) = 24 + 6 = 30$
[[7,2,6][4,5,8][3,1,0]] – Already visited Node!
[[7,2,6][4,5,8][0,3,1]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 – [[0,2,3][7,1,5][8,6,4]]

Generated Nodes :

[[2,0,3][7,1,5][8,6,4]] – $f(n) = 23 + 7 = 30$
[[7,2,3][0,1,5][8,6,4]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,3][8,1,5][0,6,4]]

Generated Nodes :

[[7,2,3][0,1,5][8,6,4]] – Already visited Node!
[[7,2,3][8,1,5][6,0,4]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[7,2,3][1,6,5][8,4,0]]

Generated Nodes :

[[7,2,3][1,6,0][8,4,5]] – $f(n) = 23 + 6 = 29$
[[7,2,3][1,6,5][8,0,4]] – Already visited Node!

Node Chosen for Level 24 – [[5,0,1][4,6,2][7,8,3]]

Generated Nodes :

[[5,1,0][4,6,2][7,8,3]] – Already visited Node!
[[0,5,1][4,6,2][7,8,3]] – $f(n) = 24 + 5 = 29$
[[5,6,1][4,0,2][7,8,3]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 21 – [[8,7,6][2,0,5][3,4,1]]

Generated Nodes :

[[8,0,6][2,7,5][3,4,1]] – $f(n) = 21 + 8 = 29$
[[8,7,6][2,5,0][3,4,1]] – $f(n) = 21 + 7 = 28$
[[8,7,6][0,2,5][3,4,1]] – Already visited Node!
[[8,7,6][2,4,5][3,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,7,6][3,2,5][0,4,1]]

Generated Nodes :

[[8,7,6][0,2,5][3,4,1]] – Already visited Node!
[[8,7,6][3,2,5][4,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[0,8,7][5,6,2][3,4,1]]$

Generated Nodes :

$[[8,0,7][5,6,2][3,4,1]]$ – Already visited Node!
 $[[5,8,7][0,6,2][3,4,1]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[8,6,7][5,0,2][3,4,1]]$

Generated Nodes :

$[[8,0,7][5,6,2][3,4,1]]$ – Already visited Node!
 $[[8,6,7][5,2,0][3,4,1]]$ – $f(n) = 21 + 8 = 29$
 $[[8,6,7][0,5,2][3,4,1]]$ – $f(n) = 21 + 7 = 28$
 $[[8,6,7][5,4,2][3,0,1]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[3,7,0][5,8,2][1,6,4]]$

Generated Nodes :

$[[3,0,7][5,8,2][1,6,4]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,2][5,8,0][1,6,4]]$ – Already visited Node!

Node Chosen for Level 21 – $[[0,7,2][3,8,4][5,1,6]]$

Generated Nodes :

$[[7,0,2][3,8,4][5,1,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,2][0,8,4][5,1,6]]$ – Already visited Node!

Node Chosen for Level 21 – $[[3,7,2][8,0,4][5,1,6]]$

Generated Nodes :

$[[3,0,2][8,7,4][5,1,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,2][8,4,0][5,1,6]]$ – $f(n) = 21 + 8 = 29$
 $[[3,7,2][0,8,4][5,1,6]]$ – Already visited Node!
 $[[3,7,2][8,1,4][5,0,6]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[8,7,1][2,0,5][3,6,4]]$

Generated Nodes :

$[[8,0,1][2,7,5][3,6,4]]$ – $f(n) = 21 + 8 = 29$
 $[[8,7,1][2,5,0][3,6,4]]$ – $f(n) = 21 + 7 = 28$
 $[[8,7,1][0,2,5][3,6,4]]$ – Already visited Node!
 $[[8,7,1][2,6,5][3,0,4]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[8,7,1][3,2,5][0,6,4]]$

Generated Nodes :

[[8,7,1][0,2,5][3,6,4]] - Already visited Node!
[[8,7,1][3,2,5][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][3,6,2][1,4,8]]

Generated Nodes :

[[7,0,5][3,6,2][1,4,8]] - Already visited Node!
[[3,7,5][0,6,2][1,4,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,6,5][3,0,2][1,4,8]]

Generated Nodes :

[[7,0,5][3,6,2][1,4,8]] - Already visited Node!
[[7,6,5][3,2,0][1,4,8]] - $f(n) = 21 + 8 = 29$
[[7,6,5][0,3,2][1,4,8]] - $f(n) = 21 + 8 = 29$
[[7,6,5][3,4,2][1,0,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[7,2,6][8,1,4][3,0,5]]

Generated Nodes :

[[7,2,6][8,0,4][3,1,5]] - Already visited Node!
[[7,2,6][8,1,4][3,5,0]] - Already visited Node!
[[7,2,6][8,1,4][0,3,5]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,2,6][3,8,1][5,0,4]]

Generated Nodes :

[[7,2,6][3,0,1][5,8,4]] - $f(n) = 22 + 6 = 28$
[[7,2,6][3,8,1][5,4,0]] - $f(n) = 22 + 7 = 29$
[[7,2,6][3,8,1][0,5,4]] - Already visited Node!

Node Chosen for Level 21 - [[0,5,8][7,6,2][3,4,1]]

Generated Nodes :

[[5,0,8][7,6,2][3,4,1]] - Already visited Node!
[[7,5,8][0,6,2][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,6,8][7,0,2][3,4,1]]

Generated Nodes :

[[5,0,8][7,6,2][3,4,1]] - Already visited Node!
[[5,6,8][7,2,0][3,4,1]] - $f(n) = 21 + 8 = 29$
[[5,6,8][0,7,2][3,4,1]] - $f(n) = 21 + 8 = 29$
[[5,6,8][7,4,2][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,7,5][3,8,2][4,1,6]]

Generated Nodes :

[[7,0,5][3,8,2][4,1,6]] – Already visited Node!
[[3,7,5][0,8,2][4,1,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,8,5][3,0,2][4,1,6]]

Generated Nodes :

[[7,0,5][3,8,2][4,1,6]] – Already visited Node!
[[7,8,5][3,2,0][4,1,6]] – $f(n) = 21 + 8 = 29$
[[7,8,5][0,3,2][4,1,6]] – $f(n) = 21 + 8 = 29$
[[7,8,5][3,1,2][4,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,5,2][7,3,8][4,1,6]]

Generated Nodes :

[[5,0,2][7,3,8][4,1,6]] – $f(n) = 21 + 8 = 29$
[[7,5,2][0,3,8][4,1,6]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][3,1,8][4,6,0]]

Generated Nodes :

[[7,5,2][3,1,0][4,6,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,1,8][4,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][3,1,8][0,4,6]]

Generated Nodes :

[[7,5,2][0,1,8][3,4,6]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,1,8][4,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,4][7,6,2][8,3,1]]

Generated Nodes :

[[5,0,4][7,6,2][8,3,1]] – Already visited Node!
[[7,5,4][0,6,2][8,3,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,6,4][7,0,2][8,3,1]]

Generated Nodes :

[[5,0,4][7,6,2][8,3,1]] – Already visited Node!
[[5,6,4][7,2,0][8,3,1]] – $f(n) = 21 + 8 = 29$
[[5,6,4][0,7,2][8,3,1]] – $f(n) = 21 + 8 = 29$
[[5,6,4][7,3,2][8,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,4,2][7,0,1][8,6,3]]

Generated Nodes :

[[5,0,2][7,4,1][8,6,3]] – $f(n) = 21 + 8 = 29$
[[5,4,2][7,1,0][8,6,3]] – $f(n) = 21 + 8 = 29$
[[5,4,2][0,7,1][8,6,3]] – $f(n) = 21 + 8 = 29$
[[5,4,2][7,6,1][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[2,4,8][5,0,7][3,1,6]]

Generated Nodes :

[[2,0,8][5,4,7][3,1,6]] – $f(n) = 21 + 8 = 29$
[[2,4,8][5,7,0][3,1,6]] – Already visited Node!
[[2,4,8][0,5,7][3,1,6]] – $f(n) = 21 + 7 = 28$
[[2,4,8][5,1,7][3,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[2,7,0][5,8,4][3,1,6]]

Generated Nodes :

[[2,0,7][5,8,4][3,1,6]] – $f(n) = 21 + 8 = 29$
[[2,7,4][5,8,0][3,1,6]] – Already visited Node!

Node Chosen for Level 21 – [[2,7,4][5,1,8][3,6,0]]

Generated Nodes :

[[2,7,4][5,1,0][3,6,8]] – $f(n) = 21 + 8 = 29$
[[2,7,4][5,1,8][3,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[2,7,4][5,1,8][0,3,6]]

Generated Nodes :

[[2,7,4][0,1,8][5,3,6]] – $f(n) = 21 + 8 = 29$
[[2,7,4][5,1,8][3,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,3,0][7,8,2][1,6,4]]

Generated Nodes :

[[5,0,3][7,8,2][1,6,4]] – $f(n) = 21 + 7 = 28$
[[5,3,2][7,8,0][1,6,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,8,2][0,7,6][4,5,1]]

Generated Nodes :

[[0,8,2][3,7,6][4,5,1]] – Already visited Node!

$[[3,8,2][7,0,6][4,5,1]] - f(n) = 22 + 7 = 29$
 $[[3,8,2][4,7,6][0,5,1]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[7,0,2][8,3,6][4,5,1]]$

Generated Nodes :

$[[7,2,0][8,3,6][4,5,1]] - f(n) = 22 + 6 = 28$
 $[[0,7,2][8,3,6][4,5,1]] - \text{Already visited Node!}$
 $[[7,3,2][8,0,6][4,5,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,1][3,8,4][5,0,6]]$

Generated Nodes :

$[[7,2,1][3,0,4][5,8,6]] - f(n) = 22 + 6 = 28$
 $[[7,2,1][3,8,4][5,6,0]] - f(n) = 22 + 7 = 29$
 $[[7,2,1][3,8,4][0,5,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,8,5][3,0,2][1,7,6]]$

Generated Nodes :

$[[4,0,5][3,8,2][1,7,6]] - f(n) = 21 + 8 = 29$
 $[[4,8,5][3,2,0][1,7,6]] - f(n) = 21 + 8 = 29$
 $[[4,8,5][0,3,2][1,7,6]] - f(n) = 21 + 8 = 29$
 $[[4,8,5][3,7,2][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,8,5][3,7,2][1,6,0]]$

Generated Nodes :

$[[4,8,5][3,7,0][1,6,2]] - f(n) = 21 + 8 = 29$
 $[[4,8,5][3,7,2][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,5,0][8,1,2][4,3,6]]$

Generated Nodes :

$[[7,0,5][8,1,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,5,2][8,1,0][4,3,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,1,5][8,0,2][4,3,6]]$

Generated Nodes :

$[[7,0,5][8,1,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][8,2,0][4,3,6]] - f(n) = 21 + 8 = 29$
 $[[7,1,5][0,8,2][4,3,6]] - f(n) = 21 + 8 = 29$
 $[[7,1,5][8,3,2][4,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,5,0][1,7,2][4,3,6]]$

Generated Nodes :

[[8,0,5][1,7,2][4,3,6]] - Already visited Node!
[[8,5,2][1,7,0][4,3,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,8,5][1,7,2][4,3,6]]

Generated Nodes :

[[8,0,5][1,7,2][4,3,6]] - Already visited Node!
[[1,8,5][0,7,2][4,3,6]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[8,7,0][1,2,5][4,3,6]]

Generated Nodes :

[[8,0,7][1,2,5][4,3,6]] - $f(n) = 21 + 8 = 29$
[[8,7,5][1,2,0][4,3,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][1,3,2][4,6,0]]

Generated Nodes :

[[8,7,5][1,3,0][4,6,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][1,3,2][4,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,4][8,6,5][3,2,1]]

Generated Nodes :

[[7,0,4][8,6,5][3,2,1]] - Already visited Node!
[[8,7,4][0,6,5][3,2,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,6,4][8,0,5][3,2,1]]

Generated Nodes :

[[7,0,4][8,6,5][3,2,1]] - Already visited Node!
[[7,6,4][8,5,0][3,2,1]] - $f(n) = 21 + 7 = 28$
[[7,6,4][0,8,5][3,2,1]] - $f(n) = 21 + 8 = 29$
[[7,6,4][8,2,5][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,8][7,6,2][3,4,1]]

Generated Nodes :

[[5,0,8][7,6,2][3,4,1]] - Already visited Node!
[[7,5,8][0,6,2][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,6,8][7,0,2][3,4,1]]

Generated Nodes :

[[5,0,8][7,6,2][3,4,1]] - Already visited Node!
[[5,6,8][7,2,0][3,4,1]] - $f(n) = 21 + 8 = 29$
[[5,6,8][0,7,2][3,4,1]] - $f(n) = 21 + 8 = 29$
[[5,6,8][7,4,2][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,4][2,0,1][8,3,6]]

Generated Nodes :

[[7,0,4][2,5,1][8,3,6]] - $f(n) = 21 + 7 = 28$
[[7,5,4][2,1,0][8,3,6]] - $f(n) = 21 + 8 = 29$
[[7,5,4][0,2,1][8,3,6]] - Already visited Node!
[[7,5,4][2,3,1][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,4][8,2,1][0,3,6]]

Generated Nodes :

[[7,5,4][0,2,1][8,3,6]] - Already visited Node!
[[7,5,4][8,2,1][3,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][1,6,2][8,4,3]]

Generated Nodes :

[[7,0,5][1,6,2][8,4,3]] - Already visited Node!
[[1,7,5][0,6,2][8,4,3]] - $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - [[7,6,5][1,0,2][8,4,3]]

Generated Nodes :

[[7,0,5][1,6,2][8,4,3]] - Already visited Node!
[[7,6,5][1,2,0][8,4,3]] - $f(n) = 21 + 8 = 29$
[[7,6,5][0,1,2][8,4,3]] - $f(n) = 21 + 8 = 29$
[[7,6,5][1,4,2][8,0,3]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - [[1,0,7][8,4,2][3,5,6]]

Generated Nodes :

[[1,7,0][8,4,2][3,5,6]] - Already visited Node!
[[0,1,7][8,4,2][3,5,6]] - $f(n) = 22 + 8 = 30$
[[1,4,7][8,0,2][3,5,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,7,2][3,8,4][5,0,6]]

Generated Nodes :

[[1,7,2][3,0,4][5,8,6]] - Already visited Node!

[[1,7,2][3,8,4][5,6,0]] - $f(n) = 22 + 7 = 29$
[[1,7,2][3,8,4][0,5,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][5,3,6][8,7,1]]

Generated Nodes :

[[2,0,4][5,3,6][8,7,1]] - $f(n) = 23 + 7 = 30$
[[5,2,4][0,3,6][8,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[2,8,4][5,3,6][7,1,0]]

Generated Nodes :

[[2,8,4][5,3,0][7,1,6]] - $f(n) = 23 + 7 = 30$
[[2,8,4][5,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,4][2,0,6][7,3,1]]

Generated Nodes :

[[8,0,4][2,5,6][7,3,1]] - $f(n) = 23 + 5 = 28$
[[8,5,4][2,6,0][7,3,1]] - $f(n) = 23 + 7 = 30$
[[8,5,4][0,2,6][7,3,1]] - Already visited Node!
[[8,5,4][2,3,6][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,4][8,0,1][7,6,3]]

Generated Nodes :

[[5,0,4][8,2,1][7,6,3]] - $f(n) = 23 + 7 = 30$
[[5,2,4][8,1,0][7,6,3]] - $f(n) = 23 + 6 = 29$
[[5,2,4][0,8,1][7,6,3]] - $f(n) = 23 + 6 = 29$
[[5,2,4][8,6,1][7,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,8][1,3,5][6,0,4]]

Generated Nodes :

[[7,2,8][1,0,5][6,3,4]] - $f(n) = 22 + 7 = 29$
[[7,2,8][1,3,5][6,4,0]] - $f(n) = 22 + 7 = 29$
[[7,2,8][1,3,5][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,8][3,6,0][1,4,5]]

Generated Nodes :

[[7,2,0][3,6,8][1,4,5]] - $f(n) = 22 + 7 = 29$
[[7,2,8][3,0,6][1,4,5]] - $f(n) = 22 + 6 = 28$
[[7,2,8][3,6,5][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,8][0,6,5][3,1,4]]

Generated Nodes :

$[[0,2,8][7,6,5][3,1,4]] - f(n) = 22 + 7 = 29$
 $[[7,2,8][6,0,5][3,1,4]] - f(n) = 22 + 7 = 29$
 $[[7,2,8][3,6,5][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,2,4][5,7,6][1,3,8]]$

Generated Nodes :

$[[2,0,4][5,7,6][1,3,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][0,7,6][1,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][1,7,6][0,3,8]]$

Generated Nodes :

$[[5,2,4][0,7,6][1,3,8]] - \text{Already visited Node!}$
 $[[5,2,4][1,7,6][3,0,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,7,5][4,6,2][1,8,3]]$

Generated Nodes :

$[[7,0,5][4,6,2][1,8,3]] - \text{Already visited Node!}$
 $[[4,7,5][0,6,2][1,8,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,6,5][4,0,2][1,8,3]]$

Generated Nodes :

$[[7,0,5][4,6,2][1,8,3]] - \text{Already visited Node!}$
 $[[7,6,5][4,2,0][1,8,3]] - f(n) = 23 + 6 = 29$
 $[[7,6,5][0,4,2][1,8,3]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][4,8,2][1,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][3,5,8][0,1,4]]$

Generated Nodes :

$[[7,2,6][0,5,8][3,1,4]] - f(n) = 23 + 6 = 29$
 $[[7,2,6][3,5,8][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,5,8][4,6,2][7,3,1]]$

Generated Nodes :

$[[5,0,8][4,6,2][7,3,1]] - \text{Already visited Node!}$
 $[[4,5,8][0,6,2][7,3,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,6,8][4,0,2][7,3,1]]$

Generated Nodes :

$[[5,0,8][4,6,2][7,3,1]]$ - Already visited Node!
 $[[5,6,8][4,2,0][7,3,1]]$ - $f(n) = 23 + 6 = 29$
 $[[5,6,8][0,4,2][7,3,1]]$ - $f(n) = 23 + 7 = 30$
 $[[5,6,8][4,3,2][7,0,1]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,8,2][4,0,1][7,6,3]]$

Generated Nodes :

$[[5,0,2][4,8,1][7,6,3]]$ - $f(n) = 23 + 6 = 29$
 $[[5,8,2][4,1,0][7,6,3]]$ - $f(n) = 23 + 6 = 29$
 $[[5,8,2][0,4,1][7,6,3]]$ - $f(n) = 23 + 7 = 30$
 $[[5,8,2][4,6,1][7,0,3]]$ - Already visited Node!

Node Chosen for Level 22 - $[[3,0,4][2,7,5][1,8,6]]$

Generated Nodes :

$[[3,4,0][2,7,5][1,8,6]]$ - $f(n) = 22 + 7 = 29$
 $[[0,3,4][2,7,5][1,8,6]]$ - $f(n) = 22 + 7 = 29$
 $[[3,7,4][2,0,5][1,8,6]]$ - Already visited Node!

Node Chosen for Level 22 - $[[7,2,4][0,3,8][1,6,5]]$

Generated Nodes :

$[[0,2,4][7,3,8][1,6,5]]$ - $f(n) = 22 + 7 = 29$
 $[[7,2,4][3,0,8][1,6,5]]$ - Already visited Node!
 $[[7,2,4][1,3,8][0,6,5]]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,4][3,6,8][1,0,5]]$

Generated Nodes :

$[[7,2,4][3,0,8][1,6,5]]$ - Already visited Node!
 $[[7,2,4][3,6,8][1,5,0]]$ - Already visited Node!
 $[[7,2,4][3,6,8][0,1,5]]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[7,2,4][1,0,6][5,3,8]]$

Generated Nodes :

$[[7,0,4][1,2,6][5,3,8]]$ - $f(n) = 23 + 7 = 30$
 $[[7,2,4][1,6,0][5,3,8]]$ - $f(n) = 23 + 7 = 30$
 $[[7,2,4][0,1,6][5,3,8]]$ - $f(n) = 23 + 6 = 29$
 $[[7,2,4][1,3,6][5,0,8]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,2,6][4,0,3][8,1,5]]$

Generated Nodes :

$[[7,0,6][4,2,3][8,1,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][4,3,0][8,1,5]] - \text{Already visited Node!}$
 $[[7,2,6][0,4,3][8,1,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][4,1,3][8,0,5]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[3,0,7][1,5,2][8,6,4]]$

Generated Nodes :

$[[3,7,0][1,5,2][8,6,4]] - \text{Already visited Node!}$
 $[[0,3,7][1,5,2][8,6,4]] - f(n) = 22 + 7 = 29$
 $[[3,5,7][1,0,2][8,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 21 - $[[0,8,7][5,1,2][3,6,4]]$

Generated Nodes :

$[[8,0,7][5,1,2][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,7][0,1,2][3,6,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,1,7][5,0,2][3,6,4]]$

Generated Nodes :

$[[8,0,7][5,1,2][3,6,4]] - \text{Already visited Node!}$
 $[[8,1,7][5,2,0][3,6,4]] - f(n) = 21 + 8 = 29$
 $[[8,1,7][0,5,2][3,6,4]] - f(n) = 21 + 7 = 28$
 $[[8,1,7][5,6,2][3,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,7,2][8,6,1][5,3,4]]$

Generated Nodes :

$[[7,0,2][8,6,1][5,3,4]] - f(n) = 21 + 8 = 29$
 $[[8,7,2][0,6,1][5,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,2][6,0,1][5,3,4]]$

Generated Nodes :

$[[8,0,2][6,7,1][5,3,4]] - f(n) = 21 + 8 = 29$
 $[[8,7,2][6,1,0][5,3,4]] - f(n) = 21 + 8 = 29$
 $[[8,7,2][0,6,1][5,3,4]] - \text{Already visited Node!}$
 $[[8,7,2][6,3,1][5,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 22 - $[[7,3,5][4,2,0][8,1,6]]$

Generated Nodes :

$[[7,3,0][4,2,5][8,1,6]] - f(n) = 22 + 7 = 29$

[[7,3,5][4,0,2][8,1,6]] - Already visited Node!
[[7,3,5][4,2,6][8,1,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,3,5][4,1,2][8,0,6]]

Generated Nodes :

[[7,3,5][4,0,2][8,1,6]] - Already visited Node!
[[7,3,5][4,1,2][8,6,0]] - $f(n) = 22 + 7 = 29$
[[7,3,5][4,1,2][0,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[7,2,4][8,0,6][5,1,3]]

Generated Nodes :

[[7,0,4][8,2,6][5,1,3]] - $f(n) = 23 + 7 = 30$
[[7,2,4][8,6,0][5,1,3]] - $f(n) = 23 + 7 = 30$
[[7,2,4][0,8,6][5,1,3]] - $f(n) = 23 + 6 = 29$
[[7,2,4][8,1,6][5,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,4][8,1,6][5,3,0]]

Generated Nodes :

[[7,2,4][8,1,0][5,3,6]] - $f(n) = 23 + 7 = 30$
[[7,2,4][8,1,6][5,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][3,7,8][4,0,1]]

Generated Nodes :

[[5,2,6][3,0,8][4,7,1]] - $f(n) = 22 + 7 = 29$
[[5,2,6][3,7,8][4,1,0]] - $f(n) = 22 + 7 = 29$
[[5,2,6][3,7,8][0,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][7,4,0][3,1,8]]

Generated Nodes :

[[5,2,0][7,4,6][3,1,8]] - Already visited Node!
[[5,2,6][7,0,4][3,1,8]] - $f(n) = 22 + 7 = 29$
[[5,2,6][7,4,8][3,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,5][0,6,2][4,8,1]]

Generated Nodes :

[[0,7,5][3,6,2][4,8,1]] - Already visited Node!
[[3,7,5][6,0,2][4,8,1]] - $f(n) = 22 + 7 = 29$
[[3,7,5][4,6,2][0,8,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,6,5][3,2,0][4,8,1]]

Generated Nodes :

[[7,6,0][3,2,5][4,8,1]] - $f(n) = 22 + 7 = 29$
[[7,6,5][3,0,2][4,8,1]] - Already visited Node!
[[7,6,5][3,2,1][4,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,6,5][0,3,2][4,8,1]]

Generated Nodes :

[[0,6,5][7,3,2][4,8,1]] - $f(n) = 22 + 7 = 29$
[[7,6,5][3,0,2][4,8,1]] - Already visited Node!
[[7,6,5][4,3,2][0,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][8,7,4][3,0,1]]

Generated Nodes :

[[5,2,6][8,0,4][3,7,1]] - $f(n) = 22 + 7 = 29$
[[5,2,6][8,7,4][3,1,0]] - $f(n) = 22 + 7 = 29$
[[5,2,6][8,7,4][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][7,3,0][8,1,4]]

Generated Nodes :

[[5,2,0][7,3,6][8,1,4]] - $f(n) = 22 + 6 = 28$
[[5,2,6][7,0,3][8,1,4]] - $f(n) = 22 + 7 = 29$
[[5,2,6][7,3,4][8,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,6][7,1,0][8,4,3]]

Generated Nodes :

[[5,2,0][7,1,6][8,4,3]] - Already visited Node!
[[5,2,6][7,0,1][8,4,3]] - Already visited Node!
[[5,2,6][7,1,3][8,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,6][0,7,1][8,4,3]]

Generated Nodes :

[[0,2,6][5,7,1][8,4,3]] - $f(n) = 22 + 7 = 29$
[[5,2,6][7,0,1][8,4,3]] - Already visited Node!
[[5,2,6][8,7,1][0,4,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,2,6][3,8,0][4,1,5]]

Generated Nodes :

[[7,2,0][3,8,6][4,1,5]] - $f(n) = 22 + 6 = 28$

[[7,2,6][3,0,8][4,1,5]] - $f(n) = 22 + 7 = 29$
[[7,2,6][3,8,5][4,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,6][0,8,4][3,1,5]]

Generated Nodes :

[[0,2,6][7,8,4][3,1,5]] - $f(n) = 22 + 7 = 29$
[[7,2,6][8,0,4][3,1,5]] - Already visited Node!
[[7,2,6][3,8,4][0,1,5]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,2,6][8,1,4][3,0,5]]

Generated Nodes :

[[7,2,6][8,0,4][3,1,5]] - Already visited Node!
[[7,2,6][8,1,4][3,5,0]] - Already visited Node!
[[7,2,6][8,1,4][0,3,5]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - [[7,5,0][2,8,4][3,1,6]]

Generated Nodes :

[[7,0,5][2,8,4][3,1,6]] - $f(n) = 21 + 8 = 29$
[[7,5,4][2,8,0][3,1,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,4][2,1,8][3,6,0]]

Generated Nodes :

[[7,5,4][2,1,0][3,6,8]] - $f(n) = 21 + 8 = 29$
[[7,5,4][2,1,8][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,4][2,1,8][0,3,6]]

Generated Nodes :

[[7,5,4][0,1,8][2,3,6]] - $f(n) = 21 + 8 = 29$
[[7,5,4][2,1,8][3,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,4][3,0,8][1,2,6]]

Generated Nodes :

[[7,0,4][3,5,8][1,2,6]] - $f(n) = 21 + 7 = 28$
[[7,5,4][3,8,0][1,2,6]] - $f(n) = 21 + 8 = 29$
[[7,5,4][0,3,8][1,2,6]] - $f(n) = 21 + 8 = 29$
[[7,5,4][3,2,8][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,4][3,2,8][1,6,0]]

Generated Nodes :

[[7,5,4][3,2,0][1,6,8]] - $f(n) = 21 + 8 = 29$
[[7,5,4][3,2,8][1,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,2][8,4,6][5,3,1]]

Generated Nodes :

[[7,2,0][8,4,6][5,3,1]] - $f(n) = 22 + 6 = 28$
[[0,7,2][8,4,6][5,3,1]] - Already visited Node!
[[7,4,2][8,0,6][5,3,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,7][0,4,2][1,8,6]]

Generated Nodes :

[[0,3,7][5,4,2][1,8,6]] - Already visited Node!
[[5,3,7][4,0,2][1,8,6]] - $f(n) = 22 + 6 = 28$
[[5,3,7][1,4,2][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,4,7][5,2,0][1,8,6]]

Generated Nodes :

[[3,4,0][5,2,7][1,8,6]] - $f(n) = 22 + 7 = 29$
[[3,4,7][5,0,2][1,8,6]] - Already visited Node!
[[3,4,7][5,2,6][1,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,2,1][3,8,0][6,4,5]]

Generated Nodes :

[[7,2,0][3,8,1][6,4,5]] - $f(n) = 22 + 7 = 29$
[[7,2,1][3,0,8][6,4,5]] - $f(n) = 22 + 7 = 29$
[[7,2,1][3,8,5][6,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,1][6,3,5][8,0,4]]

Generated Nodes :

[[7,2,1][6,0,5][8,3,4]] - Already visited Node!
[[7,2,1][6,3,5][8,4,0]] - $f(n) = 22 + 7 = 29$
[[7,2,1][6,3,5][0,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,2,4][8,1,0][3,6,5]]

Generated Nodes :

[[7,2,0][8,1,4][3,6,5]] - $f(n) = 22 + 7 = 29$
[[7,2,4][8,0,1][3,6,5]] - $f(n) = 22 + 7 = 29$
[[7,2,4][8,1,5][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - $[[7,2,4][0,1,3][8,6,5]]$

Generated Nodes :

 $[[0,2,4][7,1,3][8,6,5]] - f(n) = 22 + 7 = 29$
 $[[7,2,4][1,0,3][8,6,5]] - \text{Already visited Node!}$
 $[[7,2,4][8,1,3][0,6,5]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,2,4][1,6,3][8,0,5]]$

Generated Nodes :

 $[[7,2,4][1,0,3][8,6,5]] - \text{Already visited Node!}$
 $[[7,2,4][1,6,3][8,5,0]] - \text{Already visited Node!}$
 $[[7,2,4][1,6,3][0,8,5]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[1,4,7][5,2,0][8,3,6]]$

Generated Nodes :

 $[[1,4,0][5,2,7][8,3,6]] - f(n) = 22 + 7 = 29$
 $[[1,4,7][5,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[1,4,7][5,2,6][8,3,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[1,4,7][5,3,2][8,0,6]]$

Generated Nodes :

 $[[1,4,7][5,0,2][8,3,6]] - \text{Already visited Node!}$
 $[[1,4,7][5,3,2][8,6,0]] - f(n) = 22 + 7 = 29$
 $[[1,4,7][5,3,2][0,8,6]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[1,0,7][5,3,2][8,6,4]]$

Generated Nodes :

 $[[1,7,0][5,3,2][8,6,4]] - \text{Already visited Node!}$
 $[[0,1,7][5,3,2][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[1,3,7][5,0,2][8,6,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,0,2][5,7,3][8,6,4]]$

Generated Nodes :

 $[[1,2,0][5,7,3][8,6,4]] - f(n) = 22 + 6 = 28$
 $[[0,1,2][5,7,3][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[1,7,2][5,0,3][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,7,2][5,6,3][8,0,4]]$

Generated Nodes :

[[1,7,2][5,0,3][8,6,4]] - Already visited Node!
[[1,7,2][5,6,3][8,4,0]] - $f(n) = 22 + 7 = 29$
[[1,7,2][5,6,3][0,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[0,3,2][5,7,6][4,8,1]]

Generated Nodes :

[[3,0,2][5,7,6][4,8,1]] - Already visited Node!
[[5,3,2][0,7,6][4,8,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,6,5][4,2,1][8,0,3]]

Generated Nodes :

[[7,6,5][4,0,1][8,2,3]] - $f(n) = 22 + 7 = 29$
[[7,6,5][4,2,1][8,3,0]] - Already visited Node!
[[7,6,5][4,2,1][0,8,3]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,6,5][4,3,0][8,1,2]]

Generated Nodes :

[[7,6,0][4,3,5][8,1,2]] - $f(n) = 22 + 7 = 29$
[[7,6,5][4,0,3][8,1,2]] - $f(n) = 22 + 7 = 29$
[[7,6,5][4,3,2][8,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,5][4,1,2][8,6,3]]

Generated Nodes :

[[7,5,0][4,1,2][8,6,3]] - Already visited Node!
[[0,7,5][4,1,2][8,6,3]] - $f(n) = 22 + 7 = 29$
[[7,1,5][4,0,2][8,6,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,2][0,7,6][1,4,8]]

Generated Nodes :

[[0,3,2][5,7,6][1,4,8]] - $f(n) = 22 + 7 = 29$
[[5,3,2][7,0,6][1,4,8]] - Already visited Node!
[[5,3,2][1,7,6][0,4,8]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,2][0,1,6][4,3,8]]

Generated Nodes :

[[0,5,2][7,1,6][4,3,8]] - $f(n) = 22 + 7 = 29$
[[7,5,2][1,0,6][4,3,8]] - Already visited Node!
[[7,5,2][4,1,6][0,3,8]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,2][0,7,6][3,1,8]]

Generated Nodes :

$[[0,4,2][5,7,6][3,1,8]] - f(n) = 22 + 7 = 29$
 $[[5,4,2][7,0,6][3,1,8]] - \text{Already visited Node!}$
 $[[5,4,2][3,7,6][0,1,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,2][7,1,6][3,0,8]]$

Generated Nodes :

$[[5,4,2][7,0,6][3,1,8]] - \text{Already visited Node!}$
 $[[5,4,2][7,1,6][3,8,0]] - f(n) = 22 + 6 = 28$
 $[[5,4,2][7,1,6][0,3,8]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 21 - $[[8,5,0][6,7,2][3,4,1]]$

Generated Nodes :

$[[8,0,5][6,7,2][3,4,1]] - \text{Already visited Node!}$
 $[[8,5,2][6,7,0][3,4,1]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,8,5][6,7,2][3,4,1]]$

Generated Nodes :

$[[8,0,5][6,7,2][3,4,1]] - \text{Already visited Node!}$
 $[[6,8,5][0,7,2][3,4,1]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,7,0][6,2,5][3,4,1]]$

Generated Nodes :

$[[8,0,7][6,2,5][3,4,1]] - f(n) = 21 + 8 = 29$
 $[[8,7,5][6,2,0][3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,5][6,2,1][3,4,0]]$

Generated Nodes :

$[[8,7,5][6,2,0][3,4,1]] - \text{Already visited Node!}$
 $[[8,7,5][6,2,1][3,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,7,5][6,4,2][3,1,0]]$

Generated Nodes :

$[[8,7,5][6,4,0][3,1,2]] - f(n) = 21 + 8 = 29$
 $[[8,7,5][6,4,2][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,5][6,4,2][0,3,1]]$

Generated Nodes :

[[8,7,5][0,4,2][6,3,1]] - $f(n) = 21 + 8 = 29$
[[8,7,5][6,4,2][3,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][3,0,2][4,6,1]]

Generated Nodes :

[[8,0,5][3,7,2][4,6,1]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,2,0][4,6,1]] - $f(n) = 21 + 8 = 29$
[[8,7,5][0,3,2][4,6,1]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,6,2][4,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][3,6,2][4,1,0]]

Generated Nodes :

[[8,7,5][3,6,0][4,1,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,6,2][4,0,1]] - Already visited Node!

Node Chosen for Level 21 - [[7,6,5][8,0,1][3,2,4]]

Generated Nodes :

[[7,0,5][8,6,1][3,2,4]] - $f(n) = 21 + 8 = 29$
[[7,6,5][8,1,0][3,2,4]] - $f(n) = 21 + 8 = 29$
[[7,6,5][0,8,1][3,2,4]] - $f(n) = 21 + 8 = 29$
[[7,6,5][8,2,1][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,6,5][8,2,1][0,3,4]]

Generated Nodes :

[[7,6,5][0,2,1][8,3,4]] - $f(n) = 21 + 8 = 29$
[[7,6,5][8,2,1][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[6,5,0][7,8,2][3,4,1]]

Generated Nodes :

[[6,0,5][7,8,2][3,4,1]] - Already visited Node!
[[6,5,2][7,8,0][3,4,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[6,8,5][7,0,2][3,4,1]]

Generated Nodes :

[[6,0,5][7,8,2][3,4,1]] - Already visited Node!
[[6,8,5][7,2,0][3,4,1]] - $f(n) = 21 + 8 = 29$
[[6,8,5][0,7,2][3,4,1]] - $f(n) = 21 + 8 = 29$
[[6,8,5][7,4,2][3,0,1]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,6,5][3,8,2][4,1,0]]

Generated Nodes :

[[7,6,5][3,8,0][4,1,2]] – $f(n) = 21 + 8 = 29$
[[7,6,5][3,8,2][4,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,6,0][8,4,5][3,1,2]]

Generated Nodes :

[[7,0,6][8,4,5][3,1,2]] – $f(n) = 21 + 8 = 29$
[[7,6,5][8,4,0][3,1,2]] – Already visited Node!

Node Chosen for Level 21 – [[7,6,5][8,0,4][3,1,2]]

Generated Nodes :

[[7,0,5][8,6,4][3,1,2]] – $f(n) = 21 + 8 = 29$
[[7,6,5][8,4,0][3,1,2]] – Already visited Node!
[[7,6,5][0,8,4][3,1,2]] – $f(n) = 21 + 8 = 29$
[[7,6,5][8,1,4][3,0,2]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,6,5][7,4,2][8,3,1]]

Generated Nodes :

[[6,0,5][7,4,2][8,3,1]] – $f(n) = 21 + 8 = 29$
[[7,6,5][0,4,2][8,3,1]] – Already visited Node!

Node Chosen for Level 21 – [[8,5,2][3,0,7][1,4,6]]

Generated Nodes :

[[8,0,2][3,5,7][1,4,6]] – $f(n) = 21 + 7 = 28$
[[8,5,2][3,7,0][1,4,6]] – Already visited Node!
[[8,5,2][0,3,7][1,4,6]] – $f(n) = 21 + 8 = 29$
[[8,5,2][3,4,7][1,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[3,8,5][7,0,2][1,4,6]]

Generated Nodes :

[[3,0,5][7,8,2][1,4,6]] – $f(n) = 21 + 8 = 29$
[[3,8,5][7,2,0][1,4,6]] – $f(n) = 21 + 8 = 29$
[[3,8,5][0,7,2][1,4,6]] – Already visited Node!
[[3,8,5][7,4,2][1,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[3,8,5][1,7,2][0,4,6]]

Generated Nodes :

[[3,8,5][0,7,2][1,4,6]] - Already visited Node!
[[3,8,5][1,7,2][4,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,8,7][3,2,5][1,4,6]]

Generated Nodes :

[[8,0,7][3,2,5][1,4,6]] - Already visited Node!
[[3,8,7][0,2,5][1,4,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,0][8,3,2][1,4,6]]

Generated Nodes :

[[7,0,5][8,3,2][1,4,6]] - Already visited Node!
[[7,5,2][8,3,0][1,4,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,3,5][8,0,2][1,4,6]]

Generated Nodes :

[[7,0,5][8,3,2][1,4,6]] - Already visited Node!
[[7,3,5][8,2,0][1,4,6]] - $f(n) = 21 + 8 = 29$
[[7,3,5][0,8,2][1,4,6]] - $f(n) = 21 + 8 = 29$
[[7,3,5][8,4,2][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,5][1,3,2][4,6,0]]

Generated Nodes :

[[8,7,5][1,3,0][4,6,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][1,3,2][4,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,8,7][3,4,5][1,6,2]]

Generated Nodes :

[[8,0,7][3,4,5][1,6,2]] - Already visited Node!
[[3,8,7][0,4,5][1,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,4,7][3,0,5][1,6,2]]

Generated Nodes :

[[8,0,7][3,4,5][1,6,2]] - Already visited Node!
[[8,4,7][3,5,0][1,6,2]] - $f(n) = 21 + 7 = 28$
[[8,4,7][0,3,5][1,6,2]] - $f(n) = 21 + 8 = 29$
[[8,4,7][3,6,5][1,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,5,0][3,7,4][1,6,2]]

Generated Nodes :

[[8,0,5][3,7,4][1,6,2]] - Already visited Node!
[[8,5,4][3,7,0][1,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,8,5][3,7,4][1,6,2]]

Generated Nodes :

[[8,0,5][3,7,4][1,6,2]] - Already visited Node!
[[3,8,5][0,7,4][1,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][8,3,4][1,6,2]]

Generated Nodes :

[[7,0,5][8,3,4][1,6,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][0,3,4][1,6,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][1,3,4][0,6,2]]

Generated Nodes :

[[8,7,5][0,3,4][1,6,2]] - Already visited Node!
[[8,7,5][1,3,4][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,5][3,6,4][1,2,0]]

Generated Nodes :

[[8,7,5][3,6,0][1,2,4]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,6,4][1,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,7,5][3,6,4][0,1,2]]

Generated Nodes :

[[8,7,5][0,6,4][3,1,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,6,4][1,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[8,4,0][2,7,5][3,1,6]]

Generated Nodes :

[[8,0,4][2,7,5][3,1,6]] - Already visited Node!
[[8,4,5][2,7,0][3,1,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,8,4][2,7,5][3,1,6]]

Generated Nodes :

[[8,0,4][2,7,5][3,1,6]] - Already visited Node!

$[[2,8,4][0,7,5][3,1,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,7,4][2,1,5][3,6,0]]$

Generated Nodes :

$[[8,7,4][2,1,0][3,6,5]] - f(n) = 21 + 8 = 29$

$[[8,7,4][2,1,5][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,4][2,1,5][0,3,6]]$

Generated Nodes :

$[[8,7,4][0,1,5][2,3,6]] - f(n) = 21 + 8 = 29$

$[[8,7,4][2,1,5][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,4][3,0,5][1,2,6]]$

Generated Nodes :

$[[8,0,4][3,7,5][1,2,6]] - f(n) = 21 + 8 = 29$

$[[8,7,4][3,5,0][1,2,6]] - f(n) = 21 + 7 = 28$

$[[8,7,4][0,3,5][1,2,6]] - f(n) = 21 + 8 = 29$

$[[8,7,4][3,2,5][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,4][3,2,5][1,6,0]]$

Generated Nodes :

$[[8,7,4][3,2,0][1,6,5]] - f(n) = 21 + 8 = 29$

$[[8,7,4][3,2,5][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,5,2][3,7,8][0,1,6]]$

Generated Nodes :

$[[4,5,2][0,7,8][3,1,6]] - \text{Already visited Node!}$

$[[4,5,2][3,7,8][1,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[4,5,2][7,1,8][3,6,0]]$

Generated Nodes :

$[[4,5,2][7,1,0][3,6,8]] - f(n) = 21 + 8 = 29$

$[[4,5,2][7,1,8][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,5,2][7,1,8][0,3,6]]$

Generated Nodes :

$[[4,5,2][0,1,8][7,3,6]] - f(n) = 21 + 7 = 28$

$[[4,5,2][7,1,8][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 – $[[0,4,8][7,2,5][3,1,6]]$

Generated Nodes :

$[[4,0,8][7,2,5][3,1,6]]$ – Already visited Node!
 $[[7,4,8][0,2,5][3,1,6]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[4,8,5][3,0,2][1,7,6]]$

Generated Nodes :

$[[4,0,5][3,8,2][1,7,6]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][3,2,0][1,7,6]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][0,3,2][1,7,6]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][3,7,2][1,0,6]]$ – Already visited Node!

Node Chosen for Level 21 – $[[4,8,5][3,7,2][1,6,0]]$

Generated Nodes :

$[[4,8,5][3,7,0][1,6,2]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][3,7,2][1,0,6]]$ – Already visited Node!

Node Chosen for Level 21 – $[[4,8,0][7,1,5][3,6,2]]$

Generated Nodes :

$[[4,0,8][7,1,5][3,6,2]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][7,1,0][3,6,2]]$ – Already visited Node!

Node Chosen for Level 21 – $[[4,8,5][7,0,1][3,6,2]]$

Generated Nodes :

$[[4,0,5][7,8,1][3,6,2]]$ – Already visited Node!
 $[[4,8,5][7,1,0][3,6,2]]$ – Already visited Node!
 $[[4,8,5][0,7,1][3,6,2]]$ – $f(n) = 21 + 8 = 29$
 $[[4,8,5][7,6,1][3,0,2]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[0,7,4][3,8,5][1,6,2]]$

Generated Nodes :

$[[7,0,4][3,8,5][1,6,2]]$ – Already visited Node!
 $[[3,7,4][0,8,5][1,6,2]]$ – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – $[[7,8,4][3,0,5][1,6,2]]$

Generated Nodes :

$[[7,0,4][3,8,5][1,6,2]]$ – Already visited Node!

$[[7,8,4][3,5,0][1,6,2]] - f(n) = 21 + 7 = 28$
 $[[7,8,4][0,3,5][1,6,2]] - f(n) = 21 + 8 = 29$
 $[[7,8,4][3,6,5][1,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,5,0][3,4,8][1,6,2]]$

Generated Nodes :

$[[7,0,5][3,4,8][1,6,2]] - \text{Already visited Node!}$
 $[[7,5,8][3,4,0][1,6,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,7,5][3,4,8][1,6,2]]$

Generated Nodes :

$[[7,0,5][3,4,8][1,6,2]] - \text{Already visited Node!}$
 $[[3,7,5][0,4,8][1,6,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,4,5][7,3,8][1,6,2]]$

Generated Nodes :

$[[4,0,5][7,3,8][1,6,2]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][0,3,8][1,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,5][1,3,8][0,6,2]]$

Generated Nodes :

$[[7,4,5][0,3,8][1,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][1,3,8][6,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,4,5][3,6,8][1,2,0]]$

Generated Nodes :

$[[7,4,5][3,6,0][1,2,8]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][3,6,8][1,0,2]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,5][3,6,8][0,1,2]]$

Generated Nodes :

$[[7,4,5][0,6,8][3,1,2]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][3,6,8][1,0,2]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,4][1,0,5][3,6,2]]$

Generated Nodes :

$[[8,0,4][1,7,5][3,6,2]] - f(n) = 21 + 8 = 29$
 $[[8,7,4][1,5,0][3,6,2]] - f(n) = 21 + 7 = 28$

[[8,7,4][0,1,5][3,6,2]] - Already visited Node!
[[8,7,4][1,6,5][3,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,4][3,1,5][0,6,2]]

Generated Nodes :

[[8,7,4][0,1,5][3,6,2]] - Already visited Node!
[[8,7,4][3,1,5][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,1,4][7,8,5][3,6,2]]

Generated Nodes :

[[1,0,4][7,8,5][3,6,2]] - $f(n) = 21 + 7 = 28$
[[7,1,4][0,8,5][3,6,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,4][3,8,5][0,6,2]]

Generated Nodes :

[[7,1,4][0,8,5][3,6,2]] - Already visited Node!
[[7,1,4][3,8,5][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,1,4][8,6,5][3,2,0]]

Generated Nodes :

[[7,1,4][8,6,0][3,2,5]] - $f(n) = 21 + 8 = 29$
[[7,1,4][8,6,5][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,4][8,6,5][0,3,2]]

Generated Nodes :

[[7,1,4][0,6,5][8,3,2]] - $f(n) = 21 + 8 = 29$
[[7,1,4][8,6,5][3,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,1][8,0,4][3,6,2]]

Generated Nodes :

[[7,0,1][8,5,4][3,6,2]] - $f(n) = 21 + 7 = 28$
[[7,5,1][8,4,0][3,6,2]] - Already visited Node!
[[7,5,1][0,8,4][3,6,2]] - $f(n) = 21 + 8 = 29$
[[7,5,1][8,6,4][3,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,1][8,4,2][3,6,0]]

Generated Nodes :

[[7,5,1][8,4,0][3,6,2]] - Already visited Node!

[[7,5,1][8,4,2][3,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,5][3,4,1][0,6,2]]

Generated Nodes :

[[8,7,5][0,4,1][3,6,2]] - Already visited Node!

[[8,7,5][3,4,1][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,5,0][7,8,1][3,6,2]]

Generated Nodes :

[[4,0,5][7,8,1][3,6,2]] - Already visited Node!

[[4,5,1][7,8,0][3,6,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,8,5][7,0,1][3,6,2]]

Generated Nodes :

[[4,0,5][7,8,1][3,6,2]] - Already visited Node!

[[4,8,5][7,1,0][3,6,2]] - Already visited Node!

[[4,8,5][0,7,1][3,6,2]] - $f(n) = 21 + 8 = 29$

[[4,8,5][7,6,1][3,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,4,5][3,8,1][6,2,0]]

Generated Nodes :

[[7,4,5][3,8,0][6,2,1]] - $f(n) = 21 + 8 = 29$

[[7,4,5][3,8,1][6,0,2]] - Already visited Node!

Node Chosen for Level 21 - [[0,4,5][7,6,1][8,3,2]]

Generated Nodes :

[[4,0,5][7,6,1][8,3,2]] - $f(n) = 21 + 8 = 29$

[[7,4,5][0,6,1][8,3,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][6,0,1][8,3,2]]

Generated Nodes :

[[7,0,5][6,4,1][8,3,2]] - $f(n) = 21 + 8 = 29$

[[7,4,5][6,1,0][8,3,2]] - $f(n) = 21 + 8 = 29$

[[7,4,5][0,6,1][8,3,2]] - Already visited Node!

[[7,4,5][6,3,1][8,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,5,2][7,0,1][8,3,6]]

Generated Nodes :

$[[4,0,2][7,5,1][8,3,6]] - f(n) = 21 + 7 = 28$
 $[[4,5,2][7,1,0][8,3,6]] - \text{Already visited Node!}$
 $[[4,5,2][0,7,1][8,3,6]] - f(n) = 21 + 8 = 29$
 $[[4,5,2][7,3,1][8,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[4,1,0][7,2,5][8,3,6]]$

Generated Nodes :

$[[4,0,1][7,2,5][8,3,6]] - f(n) = 21 + 8 = 29$
 $[[4,1,5][7,2,0][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[4,1,5][8,7,2][0,3,6]]$

Generated Nodes :

$[[4,1,5][0,7,2][8,3,6]] - \text{Already visited Node!}$
 $[[4,1,5][8,7,2][3,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[4,1,5][7,3,2][8,6,0]]$

Generated Nodes :

$[[4,1,5][7,3,0][8,6,2]] - f(n) = 21 + 8 = 29$
 $[[4,1,5][7,3,2][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,0][1,3,5][8,6,2]]$

Generated Nodes :

$[[7,0,4][1,3,5][8,6,2]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][1,3,0][8,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,4,5][1,0,3][8,6,2]]$

Generated Nodes :

$[[7,0,5][1,4,3][8,6,2]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][1,3,0][8,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][0,1,3][8,6,2]] - f(n) = 21 + 8 = 29$
 $[[7,4,5][1,6,3][8,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,5,8][3,0,2][1,4,6]]$

Generated Nodes :

$[[7,0,8][3,5,2][1,4,6]] - f(n) = 21 + 7 = 28$
 $[[7,5,8][3,2,0][1,4,6]] - f(n) = 21 + 8 = 29$
 $[[7,5,8][0,3,2][1,4,6]] - f(n) = 21 + 8 = 29$
 $[[7,5,8][3,4,2][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,5,8][3,4,2][1,6,0]]$

Generated Nodes :

[[7,5,8][3,4,0][1,6,2]] - $f(n) = 21 + 8 = 29$
[[7,5,8][3,4,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[4,8,0][5,7,2][3,1,6]]

Generated Nodes :

[[4,0,8][5,7,2][3,1,6]] - Already visited Node!
[[4,8,2][5,7,0][3,1,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[4,7,8][5,0,2][3,1,6]]

Generated Nodes :

[[4,0,8][5,7,2][3,1,6]] - Already visited Node!
[[4,7,8][5,2,0][3,1,6]] - $f(n) = 21 + 8 = 29$
[[4,7,8][0,5,2][3,1,6]] - Already visited Node!
[[4,7,8][5,1,2][3,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,4,8][3,0,2][1,7,6]]

Generated Nodes :

[[5,0,8][3,4,2][1,7,6]] - Already visited Node!
[[5,4,8][3,2,0][1,7,6]] - $f(n) = 21 + 8 = 29$
[[5,4,8][0,3,2][1,7,6]] - $f(n) = 21 + 8 = 29$
[[5,4,8][3,7,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,8][3,7,2][1,6,0]]

Generated Nodes :

[[5,4,8][3,7,0][1,6,2]] - $f(n) = 21 + 8 = 29$
[[5,4,8][3,7,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,0][7,1,8][3,6,2]]

Generated Nodes :

[[5,0,4][7,1,8][3,6,2]] - $f(n) = 21 + 8 = 29$
[[5,4,8][7,1,0][3,6,2]] - Already visited Node!

Node Chosen for Level 21 - [[5,4,8][7,0,1][3,6,2]]

Generated Nodes :

[[5,0,8][7,4,1][3,6,2]] - $f(n) = 21 + 8 = 29$
[[5,4,8][7,1,0][3,6,2]] - Already visited Node!
[[5,4,8][0,7,1][3,6,2]] - $f(n) = 21 + 8 = 29$

$[[5,4,8][7,6,1][3,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,8,7][5,4,2][3,1,6]]$

Generated Nodes :

$[[8,0,7][5,4,2][3,1,6]] - \text{Already visited Node!}$

$[[5,8,7][0,4,2][3,1,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,4,7][5,0,2][3,1,6]]$

Generated Nodes :

$[[8,0,7][5,4,2][3,1,6]] - \text{Already visited Node!}$

$[[8,4,7][5,2,0][3,1,6]] - f(n) = 21 + 8 = 29$

$[[8,4,7][0,5,2][3,1,6]] - f(n) = 21 + 7 = 28$

$[[8,4,7][5,1,2][3,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,7,2][8,1,4][5,3,6]]$

Generated Nodes :

$[[7,0,2][8,1,4][5,3,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][0,1,4][5,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,7,2][1,0,4][5,3,6]]$

Generated Nodes :

$[[8,0,2][1,7,4][5,3,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][1,4,0][5,3,6]] - f(n) = 21 + 8 = 29$

$[[8,7,2][0,1,4][5,3,6]] - \text{Already visited Node!}$

$[[8,7,2][1,3,4][5,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[3,5,2][8,0,4][1,7,6]]$

Generated Nodes :

$[[3,0,2][8,5,4][1,7,6]] - f(n) = 21 + 7 = 28$

$[[3,5,2][8,4,0][1,7,6]] - f(n) = 21 + 8 = 29$

$[[3,5,2][0,8,4][1,7,6]] - \text{Already visited Node!}$

$[[3,5,2][8,7,4][1,0,6]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[3,5,2][1,8,4][0,7,6]]$

Generated Nodes :

$[[3,5,2][0,8,4][1,7,6]] - \text{Already visited Node!}$

$[[3,5,2][1,8,4][7,0,6]] - f(n) = 21 + 7 = 28$

Node Chosen for Level 21 - $[[0,5,8][3,4,2][1,7,6]]$

Generated Nodes :

[[5,0,8][3,4,2][1,7,6]] - Already visited Node!
[[3,5,8][0,4,2][1,7,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,4,8][3,0,2][1,7,6]]

Generated Nodes :

[[5,0,8][3,4,2][1,7,6]] - Already visited Node!
[[5,4,8][3,2,0][1,7,6]] - $f(n) = 21 + 8 = 29$
[[5,4,8][0,3,2][1,7,6]] - $f(n) = 21 + 8 = 29$
[[5,4,8][3,7,2][1,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[8,3,2][5,0,4][1,7,6]]

Generated Nodes :

[[8,0,2][5,3,4][1,7,6]] - Already visited Node!
[[8,3,2][5,4,0][1,7,6]] - $f(n) = 21 + 8 = 29$
[[8,3,2][0,5,4][1,7,6]] - $f(n) = 21 + 7 = 28$
[[8,3,2][5,7,4][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,8][3,7,2][1,6,4]]

Generated Nodes :

[[5,0,8][3,7,2][1,6,4]] - Already visited Node!
[[3,5,8][0,7,2][1,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,7,8][3,0,2][1,6,4]]

Generated Nodes :

[[5,0,8][3,7,2][1,6,4]] - Already visited Node!
[[5,7,8][3,2,0][1,6,4]] - $f(n) = 21 + 8 = 29$
[[5,7,8][0,3,2][1,6,4]] - $f(n) = 21 + 8 = 29$
[[5,7,8][3,6,2][1,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,2][3,8,7][1,6,4]]

Generated Nodes :

[[5,0,2][3,8,7][1,6,4]] - Already visited Node!
[[3,5,2][0,8,7][1,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,8,2][5,3,7][1,6,4]]

Generated Nodes :

[[8,0,2][5,3,7][1,6,4]] - $f(n) = 21 + 8 = 29$
[[5,8,2][0,3,7][1,6,4]] - Already visited Node!

Node Chosen for Level 21 - $[[5,8,2][1,3,7][0,6,4]]$

Generated Nodes :

$[[5,8,2][0,3,7][1,6,4]]$ - Already visited Node!
 $[[5,8,2][1,3,7][6,0,4]]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[5,8,2][3,6,7][1,4,0]]$

Generated Nodes :

$[[5,8,2][3,6,0][1,4,7]]$ - $f(n) = 21 + 8 = 29$
 $[[5,8,2][3,6,7][1,0,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[5,8,2][3,6,7][0,1,4]]$

Generated Nodes :

$[[5,8,2][0,6,7][3,1,4]]$ - $f(n) = 21 + 8 = 29$
 $[[5,8,2][3,6,7][1,0,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[7,5,8][1,0,2][3,6,4]]$

Generated Nodes :

$[[7,0,8][1,5,2][3,6,4]]$ - $f(n) = 21 + 7 = 28$
 $[[7,5,8][1,2,0][3,6,4]]$ - $f(n) = 21 + 8 = 29$
 $[[7,5,8][0,1,2][3,6,4]]$ - Already visited Node!
 $[[7,5,8][1,6,2][3,0,4]]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,5,8][3,1,2][0,6,4]]$

Generated Nodes :

$[[7,5,8][0,1,2][3,6,4]]$ - Already visited Node!
 $[[7,5,8][3,1,2][6,0,4]]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[5,1,0][7,2,8][3,6,4]]$

Generated Nodes :

$[[5,0,1][7,2,8][3,6,4]]$ - Already visited Node!
 $[[5,1,8][7,2,0][3,6,4]]$ - Already visited Node!

Node Chosen for Level 21 - $[[5,1,8][7,2,4][3,6,0]]$

Generated Nodes :

$[[5,1,8][7,2,0][3,6,4]]$ - Already visited Node!
 $[[5,1,8][7,2,4][3,0,6]]$ - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,1,8][5,7,2][3,6,4]]$

Generated Nodes :

 $[[1,0,8][5,7,2][3,6,4]] - f(n) = 21 + 7 = 28$
 $[[5,1,8][0,7,2][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,1,8][3,7,2][0,6,4]]$

Generated Nodes :

 $[[5,1,8][0,7,2][3,6,4]] - \text{Already visited Node!}$
 $[[5,1,8][3,7,2][6,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[5,1,8][7,6,2][3,4,0]]$

Generated Nodes :

 $[[5,1,8][7,6,0][3,4,2]] - f(n) = 21 + 8 = 29$
 $[[5,1,8][7,6,2][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,1,8][7,6,2][0,3,4]]$

Generated Nodes :

 $[[5,1,8][0,6,2][7,3,4]] - f(n) = 21 + 7 = 28$
 $[[5,1,8][7,6,2][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,0,1][6,7,4]]$

Generated Nodes :

 $[[5,0,2][3,8,1][6,7,4]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][3,1,0][6,7,4]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][0,3,1][6,7,4]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][3,7,1][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,7,1][6,4,0]]$

Generated Nodes :

 $[[5,8,2][3,7,0][6,4,1]] - f(n) = 21 + 8 = 29$
 $[[5,8,2][3,7,1][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[3,5,0][8,7,2][1,6,4]]$

Generated Nodes :

 $[[3,0,5][8,7,2][1,6,4]] - \text{Already visited Node!}$
 $[[3,5,2][8,7,0][1,6,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,3,5][8,7,2][1,6,4]]$

Generated Nodes :

[[3,0,5][8,7,2][1,6,4]] - Already visited Node!
[[8,3,5][0,7,2][1,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[3,7,0][8,2,5][1,6,4]]

Generated Nodes :

[[3,0,7][8,2,5][1,6,4]] - $f(n) = 21 + 8 = 29$
[[3,7,5][8,2,0][1,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,5][8,2,4][1,6,0]]

Generated Nodes :

[[3,7,5][8,2,0][1,6,4]] - Already visited Node!
[[3,7,5][8,2,4][1,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[3,7,5][8,6,2][1,4,0]]

Generated Nodes :

[[3,7,5][8,6,0][1,4,2]] - $f(n) = 21 + 8 = 29$
[[3,7,5][8,6,2][1,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,5][8,6,2][0,1,4]]

Generated Nodes :

[[3,7,5][0,6,2][8,1,4]] - $f(n) = 21 + 8 = 29$
[[3,7,5][8,6,2][1,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[3,7,5][1,8,2][6,4,0]]

Generated Nodes :

[[3,7,5][1,8,0][6,4,2]] - $f(n) = 21 + 8 = 29$
[[3,7,5][1,8,2][6,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[0,7,8][3,2,5][1,6,4]]

Generated Nodes :

[[7,0,8][3,2,5][1,6,4]] - Already visited Node!
[[3,7,8][0,2,5][1,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,8,5][3,0,4][1,2,6]]

Generated Nodes :

$[[7,0,5][3,8,4][1,2,6]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][3,4,0][1,2,6]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][0,3,4][1,2,6]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][3,2,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,8,5][3,2,4][0,1,6]]$

Generated Nodes :

$[[7,8,5][0,2,4][3,1,6]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][3,2,4][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[8,5,0][7,3,2][1,6,4]]$

Generated Nodes :

$[[8,0,5][7,3,2][1,6,4]] - \text{Already visited Node!}$
 $[[8,5,2][7,3,0][1,6,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[8,3,5][7,0,2][1,6,4]]$

Generated Nodes :

$[[8,0,5][7,3,2][1,6,4]] - \text{Already visited Node!}$
 $[[8,3,5][7,2,0][1,6,4]] - f(n) = 21 + 8 = 29$
 $[[8,3,5][0,7,2][1,6,4]] - f(n) = 21 + 8 = 29$
 $[[8,3,5][7,6,2][1,0,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,8,5][1,0,2][6,3,4]]$

Generated Nodes :

$[[7,0,5][1,8,2][6,3,4]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][1,2,0][6,3,4]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][0,1,2][6,3,4]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][1,3,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,8,5][1,3,2][6,4,0]]$

Generated Nodes :

$[[7,8,5][1,3,0][6,4,2]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][1,3,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,8,0][3,6,5][1,4,2]]$

Generated Nodes :

$[[7,0,8][3,6,5][1,4,2]] - f(n) = 21 + 8 = 29$
 $[[7,8,5][3,6,0][1,4,2]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,8,5][7,6,2][3,1,4]]$

Generated Nodes :

[[8,0,5][7,6,2][3,1,4]] - $f(n) = 21 + 8 = 29$
[[7,8,5][0,6,2][3,1,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,8,5][6,0,2][3,1,4]]

Generated Nodes :

[[7,0,5][6,8,2][3,1,4]] - $f(n) = 21 + 8 = 29$
[[7,8,5][6,2,0][3,1,4]] - $f(n) = 21 + 8 = 29$
[[7,8,5][0,6,2][3,1,4]] - Already visited Node!
[[7,8,5][6,1,2][3,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,3,0][7,8,2][1,6,4]]

Generated Nodes :

[[5,0,3][7,8,2][1,6,4]] - $f(n) = 21 + 7 = 28$
[[5,3,2][7,8,0][1,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[0,3,2][5,7,8][1,6,4]]

Generated Nodes :

[[3,0,2][5,7,8][1,6,4]] - Already visited Node!
[[5,3,2][0,7,8][1,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][1,7,8][0,6,4]]

Generated Nodes :

[[5,3,2][0,7,8][1,6,4]] - Already visited Node!
[[5,3,2][1,7,8][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,3,2][7,6,8][1,4,0]]

Generated Nodes :

[[5,3,2][7,6,0][1,4,8]] - $f(n) = 21 + 8 = 29$
[[5,3,2][7,6,8][1,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,3,2][7,6,8][0,1,4]]

Generated Nodes :

[[5,3,2][0,6,8][7,1,4]] - $f(n) = 21 + 7 = 28$
[[5,3,2][7,6,8][1,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,0][1,8,2][6,3,4]]

Generated Nodes :

[[7,0,5][1,8,2][6,3,4]] - $f(n) = 21 + 8 = 29$
[[7,5,2][1,8,0][6,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][1,8,4][6,3,0]]

Generated Nodes :

[[7,5,2][1,8,0][6,3,4]] - Already visited Node!
[[7,5,2][1,8,4][6,0,3]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,2][7,1,8][6,3,4]]

Generated Nodes :

[[5,0,2][7,1,8][6,3,4]] - $f(n) = 21 + 8 = 29$
[[7,5,2][0,1,8][6,3,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][6,1,8][0,3,4]]

Generated Nodes :

[[7,5,2][0,1,8][6,3,4]] - Already visited Node!
[[7,5,2][6,1,8][3,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,0][1,3,2][6,4,8]]

Generated Nodes :

[[7,0,5][1,3,2][6,4,8]] - $f(n) = 21 + 8 = 29$
[[7,5,2][1,3,0][6,4,8]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][1,0,3][6,4,8]]

Generated Nodes :

[[7,0,2][1,5,3][6,4,8]] - $f(n) = 21 + 7 = 28$
[[7,5,2][1,3,0][6,4,8]] - Already visited Node!
[[7,5,2][0,1,3][6,4,8]] - $f(n) = 21 + 8 = 29$
[[7,5,2][1,4,3][6,0,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][3,6,2][1,4,8]]

Generated Nodes :

[[7,0,5][3,6,2][1,4,8]] - Already visited Node!
[[3,7,5][0,6,2][1,4,8]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,6,5][3,0,2][1,4,8]]

Generated Nodes :

```

-----
[[7,0,5][3,6,2][1,4,8]] - Already visited Node!
[[7,6,5][3,2,0][1,4,8]] - f(n) = 21 + 8 = 29
[[7,6,5][0,3,2][1,4,8]] - f(n) = 21 + 8 = 29
[[7,6,5][3,4,2][1,0,8]] - f(n) = 21 + 8 = 29
-----
Node Chosen for Level 21 - [[5,6,2][7,0,8][3,1,4]]

Generated Nodes :
-----
[[5,0,2][7,6,8][3,1,4]] - Already visited Node!
[[5,6,2][7,8,0][3,1,4]] - f(n) = 21 + 8 = 29
[[5,6,2][0,7,8][3,1,4]] - f(n) = 21 + 8 = 29
[[5,6,2][7,1,8][3,0,4]] - f(n) = 21 + 8 = 29
-----
Node Chosen for Level 21 - [[7,5,0][6,8,2][3,1,4]]

Generated Nodes :
-----
[[7,0,5][6,8,2][3,1,4]] - f(n) = 21 + 8 = 29
[[7,5,2][6,8,0][3,1,4]] - Already visited Node!
-----
Node Chosen for Level 21 - [[7,5,2][6,8,4][3,1,0]]

Generated Nodes :
-----
[[7,5,2][6,8,0][3,1,4]] - Already visited Node!
[[7,5,2][6,8,4][3,0,1]] - f(n) = 21 + 8 = 29
-----
Node Chosen for Level 21 - [[7,5,2][6,1,8][3,4,0]]

Generated Nodes :
-----
[[7,5,2][6,1,0][3,4,8]] - f(n) = 21 + 8 = 29
[[7,5,2][6,1,8][3,0,4]] - Already visited Node!
-----
Node Chosen for Level 21 - [[7,5,2][6,1,8][0,3,4]]

Generated Nodes :
-----
[[7,5,2][0,1,8][6,3,4]] - Already visited Node!
[[7,5,2][6,1,8][3,0,4]] - Already visited Node!
-----
Node Chosen for Level 21 - [[8,5,2][1,0,7][3,6,4]]

Generated Nodes :
-----
[[8,0,2][1,5,7][3,6,4]] - f(n) = 21 + 7 = 28
[[8,5,2][1,7,0][3,6,4]] - Already visited Node!
[[8,5,2][0,1,7][3,6,4]] - f(n) = 21 + 8 = 29
[[8,5,2][1,6,7][3,0,4]] - f(n) = 21 + 8 = 29
-----

```

Node Chosen for Level 21 – [[8,5,2][1,7,4][3,6,0]]

Generated Nodes :

[[8,5,2][1,7,0][3,6,4]] – Already visited Node!
[[8,5,2][1,7,4][3,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,8,7][1,2,5][3,6,4]]

Generated Nodes :

[[8,0,7][1,2,5][3,6,4]] – Already visited Node!
[[1,8,7][0,2,5][3,6,4]] – $f(n) = 21 + 7 = 28$

Node Chosen for Level 21 – [[8,7,5][1,0,4][3,2,6]]

Generated Nodes :

[[8,0,5][1,7,4][3,2,6]] – $f(n) = 21 + 8 = 29$
[[8,7,5][1,4,0][3,2,6]] – $f(n) = 21 + 8 = 29$
[[8,7,5][0,1,4][3,2,6]] – $f(n) = 21 + 8 = 29$
[[8,7,5][1,2,4][3,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,5][1,2,4][0,3,6]]

Generated Nodes :

[[8,7,5][0,2,4][1,3,6]] – $f(n) = 21 + 8 = 29$
[[8,7,5][1,2,4][3,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,0][1,6,5][3,4,2]]

Generated Nodes :

[[8,0,7][1,6,5][3,4,2]] – $f(n) = 21 + 8 = 29$
[[8,7,5][1,6,0][3,4,2]] – Already visited Node!

Node Chosen for Level 21 – [[0,7,5][8,6,2][1,3,4]]

Generated Nodes :

[[7,0,5][8,6,2][1,3,4]] – $f(n) = 21 + 8 = 29$
[[8,7,5][0,6,2][1,3,4]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,5][6,0,2][1,3,4]]

Generated Nodes :

[[8,0,5][6,7,2][1,3,4]] – $f(n) = 21 + 8 = 29$
[[8,7,5][6,2,0][1,3,4]] – $f(n) = 21 + 8 = 29$
[[8,7,5][0,6,2][1,3,4]] – Already visited Node!
[[8,7,5][6,3,2][1,0,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,5,0][3,7,2][6,1,4]]

Generated Nodes :

[[8,0,5][3,7,2][6,1,4]] – Already visited Node!
[[8,5,2][3,7,0][6,1,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,8,5][3,7,2][6,1,4]]

Generated Nodes :

[[8,0,5][3,7,2][6,1,4]] – Already visited Node!
[[3,8,5][0,7,2][6,1,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,7,0][3,2,5][6,1,4]]

Generated Nodes :

[[8,0,7][3,2,5][6,1,4]] – $f(n) = 21 + 8 = 29$
[[8,7,5][3,2,0][6,1,4]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,5][3,2,4][6,1,0]]

Generated Nodes :

[[8,7,5][3,2,0][6,1,4]] – Already visited Node!
[[8,7,5][3,2,4][6,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,7,5][8,3,2][6,1,4]]

Generated Nodes :

[[7,0,5][8,3,2][6,1,4]] – $f(n) = 21 + 8 = 29$
[[8,7,5][0,3,2][6,1,4]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,5][6,3,2][0,1,4]]

Generated Nodes :

[[8,7,5][0,3,2][6,1,4]] – Already visited Node!
[[8,7,5][6,3,2][1,0,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[8,7,0][3,1,5][6,4,2]]

Generated Nodes :

[[8,0,7][3,1,5][6,4,2]] – $f(n) = 21 + 8 = 29$
[[8,7,5][3,1,0][6,4,2]] – Already visited Node!

Node Chosen for Level 21 – [[8,7,5][3,0,1][6,4,2]]

Generated Nodes :

[[8,0,5][3,7,1][6,4,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,1,0][6,4,2]] - Already visited Node!
[[8,7,5][0,3,1][6,4,2]] - $f(n) = 21 + 8 = 29$
[[8,7,5][3,4,1][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,1][2,0,5][3,6,4]]

Generated Nodes :

[[8,0,1][2,7,5][3,6,4]] - $f(n) = 21 + 8 = 29$
[[8,7,1][2,5,0][3,6,4]] - $f(n) = 21 + 7 = 28$
[[8,7,1][0,2,5][3,6,4]] - Already visited Node!
[[8,7,1][2,6,5][3,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[8,7,1][3,2,5][0,6,4]]

Generated Nodes :

[[8,7,1][0,2,5][3,6,4]] - Already visited Node!
[[8,7,1][3,2,5][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,5,0][8,1,4][3,2,6]]

Generated Nodes :

[[7,0,5][8,1,4][3,2,6]] - Already visited Node!
[[7,5,4][8,1,0][3,2,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,5][8,1,4][3,2,6]]

Generated Nodes :

[[7,0,5][8,1,4][3,2,6]] - Already visited Node!
[[8,7,5][0,1,4][3,2,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,1,0][8,4,5][3,2,6]]

Generated Nodes :

[[7,0,1][8,4,5][3,2,6]] - $f(n) = 21 + 8 = 29$
[[7,1,5][8,4,0][3,2,6]] - Already visited Node!

Node Chosen for Level 21 - [[0,1,5][7,8,4][3,2,6]]

Generated Nodes :

[[1,0,5][7,8,4][3,2,6]] - $f(n) = 21 + 7 = 28$
[[7,1,5][0,8,4][3,2,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][3,8,4][0,2,6]]

Generated Nodes :

[[7,1,5][0,8,4][3,2,6]] - Already visited Node!
[[7,1,5][3,8,4][2,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,1,5][7,2,4][8,3,6]]

Generated Nodes :

[[1,0,5][7,2,4][8,3,6]] - $f(n) = 21 + 7 = 28$
[[7,1,5][0,2,4][8,3,6]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][2,0,4][8,3,6]]

Generated Nodes :

[[7,0,5][2,1,4][8,3,6]] - $f(n) = 21 + 8 = 29$
[[7,1,5][2,4,0][8,3,6]] - $f(n) = 21 + 8 = 29$
[[7,1,5][0,2,4][8,3,6]] - Already visited Node!
[[7,1,5][2,3,4][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,1,0][3,8,5][6,4,2]]

Generated Nodes :

[[7,0,1][3,8,5][6,4,2]] - $f(n) = 21 + 8 = 29$
[[7,1,5][3,8,0][6,4,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,1,5][3,0,8][6,4,2]]

Generated Nodes :

[[7,0,5][3,1,8][6,4,2]] - $f(n) = 21 + 8 = 29$
[[7,1,5][3,8,0][6,4,2]] - Already visited Node!
[[7,1,5][0,3,8][6,4,2]] - $f(n) = 21 + 8 = 29$
[[7,1,5][3,4,8][6,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,7,1][8,6,5][3,4,2]]

Generated Nodes :

[[7,0,1][8,6,5][3,4,2]] - Already visited Node!
[[8,7,1][0,6,5][3,4,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,6,1][8,0,5][3,4,2]]

Generated Nodes :

[[7,0,1][8,6,5][3,4,2]] - Already visited Node!
[[7,6,1][8,5,0][3,4,2]] - $f(n) = 21 + 7 = 28$
[[7,6,1][0,8,5][3,4,2]] - $f(n) = 21 + 8 = 29$

$[[7,6,1][8,4,5][3,0,2]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[0,7,5][6,1,2][8,3,4]]$

Generated Nodes :

$[[7,0,5][6,1,2][8,3,4]] - \text{Already visited Node!}$

$[[6,7,5][0,1,2][8,3,4]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,1,0][6,2,5][8,3,4]]$

Generated Nodes :

$[[7,0,1][6,2,5][8,3,4]] - f(n) = 21 + 8 = 29$

$[[7,1,5][6,2,0][8,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[7,1,5][6,2,4][8,3,0]]$

Generated Nodes :

$[[7,1,5][6,2,0][8,3,4]] - \text{Already visited Node!}$

$[[7,1,5][6,2,4][8,0,3]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - $[[7,1,5][6,3,2][8,4,0]]$

Generated Nodes :

$[[7,1,5][6,3,0][8,4,2]] - f(n) = 21 + 8 = 29$

$[[7,1,5][6,3,2][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,0,1][6,7,4]]$

Generated Nodes :

$[[5,0,2][3,8,1][6,7,4]] - f(n) = 21 + 8 = 29$

$[[5,8,2][3,1,0][6,7,4]] - f(n) = 21 + 8 = 29$

$[[5,8,2][0,3,1][6,7,4]] - f(n) = 21 + 8 = 29$

$[[5,8,2][3,7,1][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[5,8,2][3,7,1][6,4,0]]$

Generated Nodes :

$[[5,8,2][3,7,0][6,4,1]] - f(n) = 21 + 8 = 29$

$[[5,8,2][3,7,1][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 21 - $[[0,7,5][3,8,2][6,4,1]]$

Generated Nodes :

$[[7,0,5][3,8,2][6,4,1]] - \text{Already visited Node!}$

$[[3,7,5][0,8,2][6,4,1]] - f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,8,5][3,0,2][6,4,1]]

Generated Nodes :

[[7,0,5][3,8,2][6,4,1]] – Already visited Node!
[[7,8,5][3,2,0][6,4,1]] – $f(n) = 21 + 8 = 29$
[[7,8,5][0,3,2][6,4,1]] – $f(n) = 21 + 8 = 29$
[[7,8,5][3,4,2][6,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,5,2][7,3,8][6,4,1]]

Generated Nodes :

[[5,0,2][7,3,8][6,4,1]] – $f(n) = 21 + 8 = 29$
[[7,5,2][0,3,8][6,4,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][6,3,8][0,4,1]]

Generated Nodes :

[[7,5,2][0,3,8][6,4,1]] – Already visited Node!
[[7,5,2][6,3,8][4,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,5,2][3,4,8][6,1,0]]

Generated Nodes :

[[7,5,2][3,4,0][6,1,8]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,4,8][6,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][3,4,8][0,6,1]]

Generated Nodes :

[[7,5,2][0,4,8][3,6,1]] – $f(n) = 21 + 8 = 29$
[[7,5,2][3,4,8][6,0,1]] – Already visited Node!

Node Chosen for Level 21 – [[5,6,0][7,1,2][8,3,4]]

Generated Nodes :

[[5,0,6][7,1,2][8,3,4]] – $f(n) = 21 + 8 = 29$
[[5,6,2][7,1,0][8,3,4]] – Already visited Node!

Node Chosen for Level 21 – [[5,6,2][7,1,4][8,3,0]]

Generated Nodes :

[[5,6,2][7,1,0][8,3,4]] – Already visited Node!
[[5,6,2][7,1,4][8,0,3]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,6,2][5,7,1][8,3,4]]

Generated Nodes :

[[6,0,2][5,7,1][8,3,4]] – $f(n) = 21 + 8 = 29$
[[5,6,2][0,7,1][8,3,4]] – Already visited Node!

Node Chosen for Level 21 – [[5,6,2][8,7,1][0,3,4]]

Generated Nodes :

[[5,6,2][0,7,1][8,3,4]] – Already visited Node!
[[5,6,2][8,7,1][3,0,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,6,2][7,3,1][8,4,0]]

Generated Nodes :

[[5,6,2][7,3,0][8,4,1]] – $f(n) = 21 + 8 = 29$
[[5,6,2][7,3,1][8,0,4]] – Already visited Node!

Node Chosen for Level 21 – [[0,7,5][6,1,2][8,3,4]]

Generated Nodes :

[[7,0,5][6,1,2][8,3,4]] – Already visited Node!
[[6,7,5][0,1,2][8,3,4]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,5,2][6,0,4][8,1,3]]

Generated Nodes :

[[7,0,2][6,5,4][8,1,3]] – $f(n) = 21 + 7 = 28$
[[7,5,2][6,4,0][8,1,3]] – $f(n) = 21 + 8 = 29$
[[7,5,2][0,6,4][8,1,3]] – $f(n) = 21 + 8 = 29$
[[7,5,2][6,1,4][8,0,3]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,0][6,3,2][8,4,1]]

Generated Nodes :

[[7,0,5][6,3,2][8,4,1]] – $f(n) = 21 + 8 = 29$
[[7,5,2][6,3,0][8,4,1]] – Already visited Node!

Node Chosen for Level 21 – [[7,5,2][6,0,3][8,4,1]]

Generated Nodes :

[[7,0,2][6,5,3][8,4,1]] – $f(n) = 21 + 7 = 28$
[[7,5,2][6,3,0][8,4,1]] – Already visited Node!
[[7,5,2][0,6,3][8,4,1]] – $f(n) = 21 + 8 = 29$
[[7,5,2][6,4,3][8,0,1]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[7,5,1][8,4,2][0,3,6]]

Generated Nodes :

[[7,5,1][0,4,2][8,3,6]] – Already visited Node!
[[7,5,1][8,4,2][3,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[0,4,1][5,7,2][8,3,6]]

Generated Nodes :

[[4,0,1][5,7,2][8,3,6]] – $f(n) = 21 + 8 = 29$
[[5,4,1][0,7,2][8,3,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,4,1][8,7,2][0,3,6]]

Generated Nodes :

[[5,4,1][0,7,2][8,3,6]] – Already visited Node!
[[5,4,1][8,7,2][3,0,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,4,1][7,3,2][8,6,0]]

Generated Nodes :

[[5,4,1][7,3,0][8,6,2]] – $f(n) = 21 + 8 = 29$
[[5,4,1][7,3,2][8,0,6]] – Already visited Node!

Node Chosen for Level 21 – [[0,5,2][8,1,4][3,7,6]]

Generated Nodes :

[[5,0,2][8,1,4][3,7,6]] – Already visited Node!
[[8,5,2][0,1,4][3,7,6]] – $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 – [[5,1,0][8,4,2][3,7,6]]

Generated Nodes :

[[5,0,1][8,4,2][3,7,6]] – $f(n) = 21 + 8 = 29$
[[5,1,2][8,4,0][3,7,6]] – Already visited Node!

Node Chosen for Level 21 – [[0,1,2][5,8,4][3,7,6]]

Generated Nodes :

[[1,0,2][5,8,4][3,7,6]] – $f(n) = 21 + 7 = 28$
[[5,1,2][0,8,4][3,7,6]] – Already visited Node!

Node Chosen for Level 21 – [[5,1,2][3,8,4][0,7,6]]

Generated Nodes :

[[5,1,2][0,8,4][3,7,6]] - Already visited Node!
[[5,1,2][3,8,4][7,0,6]] - Already visited Node!

Node Chosen for Level 21 - [[5,1,0][8,7,2][3,6,4]]

Generated Nodes :

[[5,0,1][8,7,2][3,6,4]] - $f(n) = 21 + 8 = 29$
[[5,1,2][8,7,0][3,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,1,2][8,0,7][3,6,4]]

Generated Nodes :

[[5,0,2][8,1,7][3,6,4]] - $f(n) = 21 + 8 = 29$
[[5,1,2][8,7,0][3,6,4]] - Already visited Node!
[[5,1,2][0,8,7][3,6,4]] - $f(n) = 21 + 8 = 29$
[[5,1,2][8,6,7][3,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,5,1][7,3,2][8,6,4]]

Generated Nodes :

[[5,0,1][7,3,2][8,6,4]] - Already visited Node!
[[7,5,1][0,3,2][8,6,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,3,1][7,0,2][8,6,4]]

Generated Nodes :

[[5,0,1][7,3,2][8,6,4]] - Already visited Node!
[[5,3,1][7,2,0][8,6,4]] - $f(n) = 21 + 8 = 29$
[[5,3,1][0,7,2][8,6,4]] - $f(n) = 21 + 8 = 29$
[[5,3,1][7,6,2][8,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,1,2][5,7,3][8,6,4]]

Generated Nodes :

[[1,0,2][5,7,3][8,6,4]] - Already visited Node!
[[5,1,2][0,7,3][8,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[5,1,2][8,7,3][0,6,4]]

Generated Nodes :

[[5,1,2][0,7,3][8,6,4]] - Already visited Node!
[[5,1,2][8,7,3][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[5,1,2][7,6,3][8,4,0]]

Generated Nodes :

[[5,1,2][7,6,0][8,4,3]] - Already visited Node!
[[5,1,2][7,6,3][8,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,0][1,3,5][8,6,2]]

Generated Nodes :

[[7,0,4][1,3,5][8,6,2]] - $f(n) = 21 + 8 = 29$
[[7,4,5][1,3,0][8,6,2]] - Already visited Node!

Node Chosen for Level 21 - [[7,4,5][1,0,3][8,6,2]]

Generated Nodes :

[[7,0,5][1,4,3][8,6,2]] - $f(n) = 21 + 8 = 29$
[[7,4,5][1,3,0][8,6,2]] - Already visited Node!
[[7,4,5][0,1,3][8,6,2]] - $f(n) = 21 + 8 = 29$
[[7,4,5][1,6,3][8,0,2]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,3,0][1,2,5][8,6,4]]

Generated Nodes :

[[7,0,3][1,2,5][8,6,4]] - Already visited Node!
[[7,3,5][1,2,0][8,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,3,5][1,2,4][8,6,0]]

Generated Nodes :

[[7,3,5][1,2,0][8,6,4]] - Already visited Node!
[[7,3,5][1,2,4][8,0,6]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[0,3,5][7,1,2][8,6,4]]

Generated Nodes :

[[3,0,5][7,1,2][8,6,4]] - $f(n) = 21 + 8 = 29$
[[7,3,5][0,1,2][8,6,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,3,5][8,1,2][0,6,4]]

Generated Nodes :

[[7,3,5][0,1,2][8,6,4]] - Already visited Node!
[[7,3,5][8,1,2][6,0,4]] - $f(n) = 21 + 8 = 29$

Node Chosen for Level 21 - [[7,3,5][1,6,2][8,4,0]]

Generated Nodes :

[[7,3,5][1,6,0][8,4,2]] - $f(n) = 21 + 8 = 29$
[[7,3,5][1,6,2][8,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][8,0,3][6,1,4]]

Generated Nodes :

[[7,0,2][8,5,3][6,1,4]] - $f(n) = 21 + 7 = 28$
[[7,5,2][8,3,0][6,1,4]] - $f(n) = 21 + 8 = 29$
[[7,5,2][0,8,3][6,1,4]] - $f(n) = 21 + 8 = 29$
[[7,5,2][8,1,3][6,0,4]] - Already visited Node!

Node Chosen for Level 21 - [[7,5,2][8,1,3][6,4,0]]

Generated Nodes :

[[7,5,2][8,1,0][6,4,3]] - $f(n) = 21 + 8 = 29$
[[7,5,2][8,1,3][6,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,2][3,8,6][4,7,1]]

Generated Nodes :

[[5,2,0][3,8,6][4,7,1]] - $f(n) = 22 + 6 = 28$
[[0,5,2][3,8,6][4,7,1]] - $f(n) = 22 + 7 = 29$
[[5,8,2][3,0,6][4,7,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][0,3,6][4,7,1]]

Generated Nodes :

[[0,8,2][5,3,6][4,7,1]] - $f(n) = 22 + 7 = 29$
[[5,8,2][3,0,6][4,7,1]] - Already visited Node!
[[5,8,2][4,3,6][0,7,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,2][8,4,6][3,7,1]]

Generated Nodes :

[[5,2,0][8,4,6][3,7,1]] - $f(n) = 22 + 6 = 28$
[[0,5,2][8,4,6][3,7,1]] - $f(n) = 22 + 7 = 29$
[[5,4,2][8,0,6][3,7,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,2][0,8,6][3,7,1]]

Generated Nodes :

[[0,4,2][5,8,6][3,7,1]] - $f(n) = 22 + 7 = 29$
[[5,4,2][8,0,6][3,7,1]] - Already visited Node!
[[5,4,2][3,8,6][0,7,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,2,4][0,3,7][1,6,8]]

Generated Nodes :

[[0,2,4][5,3,7][1,6,8]] – $f(n) = 22 + 7 = 29$
[[5,2,4][3,0,7][1,6,8]] – Already visited Node!
[[5,2,4][1,3,7][0,6,8]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,2,4][3,6,7][1,0,8]]

Generated Nodes :

[[5,2,4][3,0,7][1,6,8]] – Already visited Node!
[[5,2,4][3,6,7][1,8,0]] – $f(n) = 22 + 6 = 28$
[[5,2,4][3,6,7][0,1,8]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,2,4][3,7,1][6,0,8]]

Generated Nodes :

[[5,2,4][3,0,1][6,7,8]] – $f(n) = 22 + 7 = 29$
[[5,2,4][3,7,1][6,8,0]] – $f(n) = 22 + 6 = 28$
[[5,2,4][3,7,1][0,6,8]] – Already visited Node!

Node Chosen for Level 22 – [[4,5,2][7,3,0][1,8,6]]

Generated Nodes :

[[4,5,0][7,3,2][1,8,6]] – Already visited Node!
[[4,5,2][7,0,3][1,8,6]] – $f(n) = 22 + 7 = 29$
[[4,5,2][7,3,6][1,8,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[4,3,5][7,2,0][1,8,6]]

Generated Nodes :

[[4,3,0][7,2,5][1,8,6]] – $f(n) = 22 + 7 = 29$
[[4,3,5][7,0,2][1,8,6]] – Already visited Node!
[[4,3,5][7,2,6][1,8,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[4,3,5][0,7,2][1,8,6]]

Generated Nodes :

[[0,3,5][4,7,2][1,8,6]] – Already visited Node!
[[4,3,5][7,0,2][1,8,6]] – Already visited Node!
[[4,3,5][1,7,2][0,8,6]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[8,0,7][3,5,2][6,4,1]]

Generated Nodes :

[[8,7,0][3,5,2][6,4,1]] - Already visited Node!
[[0,8,7][3,5,2][6,4,1]] - $f(n) = 22 + 7 = 29$
[[8,5,7][3,0,2][6,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,2][4,1,0][3,6,7]]

Generated Nodes :

[[8,5,0][4,1,2][3,6,7]] - $f(n) = 22 + 7 = 29$
[[8,5,2][4,0,1][3,6,7]] - $f(n) = 22 + 7 = 29$
[[8,5,2][4,1,7][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,1,7][4,6,5][3,0,2]]

Generated Nodes :

[[8,1,7][4,0,5][3,6,2]] - Already visited Node!
[[8,1,7][4,6,5][3,2,0]] - $f(n) = 22 + 7 = 29$
[[8,1,7][4,6,5][0,3,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,5,1][4,7,0][3,6,2]]

Generated Nodes :

[[8,5,0][4,7,1][3,6,2]] - Already visited Node!
[[8,5,1][4,0,7][3,6,2]] - $f(n) = 22 + 7 = 29$
[[8,5,1][4,7,2][3,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][3,4,6][2,0,1]]

Generated Nodes :

[[8,7,5][3,0,6][2,4,1]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,4,6][2,1,0]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,4,6][0,2,1]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,5][0,7,6][3,2,1]]

Generated Nodes :

[[0,8,5][4,7,6][3,2,1]] - Already visited Node!
[[4,8,5][7,0,6][3,2,1]] - Already visited Node!
[[4,8,5][3,7,6][0,2,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,7,5][0,4,6][8,3,1]]

Generated Nodes :

[[0,7,5][2,4,6][8,3,1]] - Already visited Node!
[[2,7,5][4,0,6][8,3,1]] - $f(n) = 22 + 6 = 28$
[[2,7,5][8,4,6][0,3,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,2][3,8,6][4,7,1]]$

Generated Nodes :

$[[5,2,0][3,8,6][4,7,1]] - f(n) = 22 + 6 = 28$
 $[[0,5,2][3,8,6][4,7,1]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][3,0,6][4,7,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][0,3,6][4,7,1]]$

Generated Nodes :

$[[0,8,2][5,3,6][4,7,1]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][3,0,6][4,7,1]] - \text{Already visited Node!}$
 $[[5,8,2][4,3,6][0,7,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,4][8,1,0][3,7,6]]$

Generated Nodes :

$[[5,2,0][8,1,4][3,7,6]] - \text{Already visited Node!}$
 $[[5,2,4][8,0,1][3,7,6]] - \text{Already visited Node!}$
 $[[5,2,4][8,1,6][3,7,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,2,4][0,8,1][3,7,6]]$

Generated Nodes :

$[[0,2,4][5,8,1][3,7,6]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][8,0,1][3,7,6]] - \text{Already visited Node!}$
 $[[5,2,4][3,8,1][0,7,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,2,4][8,7,0][3,6,1]]$

Generated Nodes :

$[[5,2,0][8,7,4][3,6,1]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][8,0,7][3,6,1]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][8,7,1][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,4][0,7,3][8,6,1]]$

Generated Nodes :

$[[0,2,4][5,7,3][8,6,1]] - f(n) = 22 + 7 = 29$
 $[[5,2,4][7,0,3][8,6,1]] - \text{Already visited Node!}$
 $[[5,2,4][8,7,3][0,6,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,2,4][7,6,3][8,0,1]]$

Generated Nodes :

[[5,2,4][7,0,3][8,6,1]] - Already visited Node!
[[5,2,4][7,6,3][8,1,0]] - Already visited Node!
[[5,2,4][7,6,3][0,8,1]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,5,2][0,8,6][4,1,3]]

Generated Nodes :

[[0,5,2][7,8,6][4,1,3]] - $f(n) = 22 + 7 = 29$
[[7,5,2][8,0,6][4,1,3]] - Already visited Node!
[[7,5,2][4,8,6][0,1,3]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,1][5,4,2][7,3,6]]

Generated Nodes :

[[8,1,0][5,4,2][7,3,6]] - Already visited Node!
[[0,8,1][5,4,2][7,3,6]] - $f(n) = 22 + 7 = 29$
[[8,4,1][5,0,2][7,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,1,2][5,3,0][7,6,4]]

Generated Nodes :

[[8,1,0][5,3,2][7,6,4]] - $f(n) = 22 + 7 = 29$
[[8,1,2][5,0,3][7,6,4]] - $f(n) = 22 + 7 = 29$
[[8,1,2][5,3,4][7,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,8][1,2,0][7,3,6]]

Generated Nodes :

[[5,4,0][1,2,8][7,3,6]] - Already visited Node!
[[5,4,8][1,0,2][7,3,6]] - Already visited Node!
[[5,4,8][1,2,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,4,8][1,3,2][7,0,6]]

Generated Nodes :

[[5,4,8][1,0,2][7,3,6]] - Already visited Node!
[[5,4,8][1,3,2][7,6,0]] - $f(n) = 22 + 7 = 29$
[[5,4,8][1,3,2][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,8][1,3,2][7,6,4]]

Generated Nodes :

[[5,8,0][1,3,2][7,6,4]] - Already visited Node!
[[0,5,8][1,3,2][7,6,4]] - $f(n) = 22 + 7 = 29$
[[5,3,8][1,0,2][7,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,0,2][1,8,3][7,6,4]]

Generated Nodes :

[[5,2,0][1,8,3][7,6,4]] – $f(n) = 22 + 6 = 28$
[[0,5,2][1,8,3][7,6,4]] – $f(n) = 22 + 7 = 29$
[[5,8,2][1,0,3][7,6,4]] – Already visited Node!

Node Chosen for Level 22 – [[5,8,2][0,1,3][7,6,4]]

Generated Nodes :

[[0,8,2][5,1,3][7,6,4]] – $f(n) = 22 + 7 = 29$
[[5,8,2][1,0,3][7,6,4]] – Already visited Node!
[[5,8,2][7,1,3][0,6,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,8,2][1,6,3][7,0,4]]

Generated Nodes :

[[5,8,2][1,0,3][7,6,4]] – Already visited Node!
[[5,8,2][1,6,3][7,4,0]] – $f(n) = 22 + 7 = 29$
[[5,8,2][1,6,3][0,7,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[3,7,2][1,5,0][6,4,8]]

Generated Nodes :

[[3,7,0][1,5,2][6,4,8]] – $f(n) = 22 + 7 = 29$
[[3,7,2][1,0,5][6,4,8]] – $f(n) = 22 + 8 = 30$
[[3,7,2][1,5,8][6,4,0]] – Already visited Node!

Node Chosen for Level 23 – [[0,3,2][5,7,6][4,8,1]]

Generated Nodes :

[[3,0,2][5,7,6][4,8,1]] – Already visited Node!
[[5,3,2][0,7,6][4,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,4][8,0,6][1,7,3]]

Generated Nodes :

[[5,0,4][8,2,6][1,7,3]] – $f(n) = 23 + 7 = 30$
[[5,2,4][8,6,0][1,7,3]] – $f(n) = 23 + 7 = 30$
[[5,2,4][0,8,6][1,7,3]] – $f(n) = 23 + 6 = 29$
[[5,2,4][8,7,6][1,0,3]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,4][8,7,6][1,3,0]]

Generated Nodes :

[[5,2,4][8,7,0][1,3,6]] - $f(n) = 23 + 7 = 30$
[[5,2,4][8,7,6][1,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[0,4,2][5,7,6][1,8,3]]

Generated Nodes :

[[4,0,2][5,7,6][1,8,3]] - $f(n) = 23 + 6 = 29$
[[5,4,2][0,7,6][1,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][1,7,6][0,8,3]]

Generated Nodes :

[[5,4,2][0,7,6][1,8,3]] - Already visited Node!
[[5,4,2][1,7,6][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,2,8][7,5,4][3,1,6]]

Generated Nodes :

[[2,0,8][7,5,4][3,1,6]] - $f(n) = 23 + 7 = 30$
[[7,2,8][0,5,4][3,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,5,2][7,3,0][1,8,6]]

Generated Nodes :

[[4,5,0][7,3,2][1,8,6]] - Already visited Node!
[[4,5,2][7,0,3][1,8,6]] - $f(n) = 22 + 7 = 29$
[[4,5,2][7,3,6][1,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[4,3,5][7,2,0][1,8,6]]

Generated Nodes :

[[4,3,0][7,2,5][1,8,6]] - $f(n) = 22 + 7 = 29$
[[4,3,5][7,0,2][1,8,6]] - Already visited Node!
[[4,3,5][7,2,6][1,8,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[4,3,5][0,7,2][1,8,6]]

Generated Nodes :

[[0,3,5][4,7,2][1,8,6]] - Already visited Node!
[[4,3,5][7,0,2][1,8,6]] - Already visited Node!
[[4,3,5][1,7,2][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,2,4][5,1,0][3,6,7]]

Generated Nodes :

[[8,2,0][5,1,4][3,6,7]] - $f(n) = 22 + 7 = 29$
[[8,2,4][5,0,1][3,6,7]] - $f(n) = 22 + 7 = 29$
[[8,2,4][5,1,7][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,2,4][0,1,7][5,3,6]]

Generated Nodes :

[[0,2,4][8,1,7][5,3,6]] - $f(n) = 22 + 7 = 29$
[[8,2,4][1,0,7][5,3,6]] - $f(n) = 22 + 7 = 29$
[[8,2,4][5,1,7][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,1][3,7,8][6,0,4]]

Generated Nodes :

[[5,2,1][3,0,8][6,7,4]] - $f(n) = 22 + 7 = 29$
[[5,2,1][3,7,8][6,4,0]] - $f(n) = 22 + 7 = 29$
[[5,2,1][3,7,8][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,2,1][7,6,0][3,4,8]]

Generated Nodes :

[[5,2,0][7,6,1][3,4,8]] - $f(n) = 22 + 7 = 29$
[[5,2,1][7,0,6][3,4,8]] - $f(n) = 22 + 6 = 28$
[[5,2,1][7,6,8][3,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,5][0,1,2][6,8,4]]

Generated Nodes :

[[0,7,5][3,1,2][6,8,4]] - Already visited Node!
[[3,7,5][1,0,2][6,8,4]] - Already visited Node!
[[3,7,5][6,1,2][0,8,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,2][7,1,0][6,8,4]]

Generated Nodes :

[[5,3,0][7,1,2][6,8,4]] - $f(n) = 22 + 7 = 29$
[[5,3,2][7,0,1][6,8,4]] - Already visited Node!
[[5,3,2][7,1,4][6,8,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,3,2][0,7,1][6,8,4]]

Generated Nodes :

[[0,3,2][5,7,1][6,8,4]] - $f(n) = 22 + 7 = 29$
[[5,3,2][7,0,1][6,8,4]] - Already visited Node!
[[5,3,2][6,7,1][0,8,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,1,2][8,7,6][4,0,3]]$

Generated Nodes :

$[[5,1,2][8,0,6][4,7,3]] - f(n) = 22 + 7 = 29$
 $[[5,1,2][8,7,6][4,3,0]] - f(n) = 22 + 7 = 29$
 $[[5,1,2][8,7,6][0,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,0][1,3,4][7,6,8]]$

Generated Nodes :

$[[5,0,2][1,3,4][7,6,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][1,3,0][7,6,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][1,0,3][7,6,8]]$

Generated Nodes :

$[[5,0,4][1,2,3][7,6,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][1,3,0][7,6,8]] - \text{Already visited Node!}$
 $[[5,2,4][0,1,3][7,6,8]] - f(n) = 23 + 6 = 29$
 $[[5,2,4][1,6,3][7,0,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[8,4,2][5,3,6][7,1,0]]$

Generated Nodes :

$[[8,4,2][5,3,0][7,1,6]] - f(n) = 23 + 7 = 30$
 $[[8,4,2][5,3,6][7,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,5,2][1,0,4][7,8,6]]$

Generated Nodes :

$[[3,0,2][1,5,4][7,8,6]] - \text{Already visited Node!}$
 $[[3,5,2][1,4,0][7,8,6]] - f(n) = 23 + 6 = 29$
 $[[3,5,2][0,1,4][7,8,6]] - \text{Already visited Node!}$
 $[[3,5,2][1,8,4][7,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,1][3,4,2][7,8,6]]$

Generated Nodes :

$[[5,0,1][3,4,2][7,8,6]] - \text{Already visited Node!}$
 $[[3,5,1][0,4,2][7,8,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,4,1][3,0,2][7,8,6]]$

Generated Nodes :

$[5,0,1][3,4,2][7,8,6]$ - Already visited Node!
 $[5,4,1][3,2,0][7,8,6]$ - $f(n) = 23 + 6 = 29$
 $[5,4,1][0,3,2][7,8,6]$ - Already visited Node!
 $[5,4,1][3,8,2][7,0,6]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[1,2,4][5,3,7][8,6,0]$

Generated Nodes :

$[1,2,4][5,3,0][8,6,7]$ - $f(n) = 23 + 6 = 29$
 $[1,2,4][5,3,7][8,0,6]$ - Already visited Node!

Node Chosen for Level 23 - $[1,7,0][3,4,2][5,8,6]$

Generated Nodes :

$[1,0,7][3,4,2][5,8,6]$ - $f(n) = 23 + 6 = 29$
 $[1,7,2][3,4,0][5,8,6]$ - Already visited Node!

Node Chosen for Level 22 - $[8,7,2][3,5,0][1,6,4]$

Generated Nodes :

$[8,7,0][3,5,2][1,6,4]$ - $f(n) = 22 + 7 = 29$
 $[8,7,2][3,0,5][1,6,4]$ - $f(n) = 22 + 8 = 30$
 $[8,7,2][3,5,4][1,6,0]$ - Already visited Node!

Node Chosen for Level 22 - $[1,5,2][0,7,8][3,6,4]$

Generated Nodes :

$[0,5,2][1,7,8][3,6,4]$ - $f(n) = 22 + 8 = 30$
 $[1,5,2][7,0,8][3,6,4]$ - Already visited Node!
 $[1,5,2][3,7,8][0,6,4]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[1,5,2][7,6,8][3,0,4]$

Generated Nodes :

$[1,5,2][7,0,8][3,6,4]$ - Already visited Node!
 $[1,5,2][7,6,8][3,4,0]$ - $f(n) = 22 + 7 = 29$
 $[1,5,2][7,6,8][0,3,4]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[1,5,2][7,8,4][3,0,6]$

Generated Nodes :

$[1,5,2][7,0,4][3,8,6]$ - $f(n) = 22 + 6 = 28$
 $[1,5,2][7,8,4][3,6,0]$ - Already visited Node!
 $[1,5,2][7,8,4][0,3,6]$ - Already visited Node!

Node Chosen for Level 22 - $[1,0,8][7,2,5][3,6,4]$

Generated Nodes :

[[1,8,0][7,2,5][3,6,4]] - Already visited Node!
[[0,1,8][7,2,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[1,2,8][7,0,5][3,6,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,8,5][7,2,4][3,0,6]]

Generated Nodes :

[[1,8,5][7,0,4][3,2,6]] - $f(n) = 22 + 7 = 29$
[[1,8,5][7,2,4][3,6,0]] - Already visited Node!
[[1,8,5][7,2,4][0,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,8,5][3,7,2][6,0,4]]

Generated Nodes :

[[1,8,5][3,0,2][6,7,4]] - $f(n) = 22 + 7 = 29$
[[1,8,5][3,7,2][6,4,0]] - $f(n) = 22 + 7 = 29$
[[1,8,5][3,7,2][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,8,5][7,6,0][3,4,2]]

Generated Nodes :

[[1,8,0][7,6,5][3,4,2]] - $f(n) = 22 + 7 = 29$
[[1,8,5][7,0,6][3,4,2]] - $f(n) = 22 + 6 = 28$
[[1,8,5][7,6,2][3,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[6,7,2][8,5,1][3,0,4]]

Generated Nodes :

[[6,7,2][8,0,1][3,5,4]] - $f(n) = 22 + 8 = 30$
[[6,7,2][8,5,1][3,4,0]] - $f(n) = 22 + 7 = 29$
[[6,7,2][8,5,1][0,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,5][8,7,2][3,4,6]]

Generated Nodes :

[[1,5,0][8,7,2][3,4,6]] - $f(n) = 22 + 7 = 29$
[[0,1,5][8,7,2][3,4,6]] - $f(n) = 22 + 8 = 30$
[[1,7,5][8,0,2][3,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,5][8,2,0][3,4,6]]

Generated Nodes :

[[1,7,0][8,2,5][3,4,6]] - $f(n) = 22 + 7 = 29$

[[1,7,5][8,0,2][3,4,6]] - Already visited Node!
[[1,7,5][8,2,6][3,4,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,7,5][0,8,2][3,4,6]]

Generated Nodes :

[[0,7,5][1,8,2][3,4,6]] - $f(n) = 22 + 8 = 30$
[[1,7,5][8,0,2][3,4,6]] - Already visited Node!
[[1,7,5][3,8,2][0,4,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,7,5][8,4,0][3,6,2]]

Generated Nodes :

[[1,7,0][8,4,5][3,6,2]] - $f(n) = 22 + 7 = 29$
[[1,7,5][8,0,4][3,6,2]] - $f(n) = 22 + 7 = 29$
[[1,7,5][8,4,2][3,6,0]] - Already visited Node!

Node Chosen for Level 23 - [[3,5,2][4,0,7][1,8,6]]

Generated Nodes :

[[3,0,2][4,5,7][1,8,6]] - $f(n) = 23 + 5 = 28$
[[3,5,2][4,7,0][1,8,6]] - Already visited Node!
[[3,5,2][0,4,7][1,8,6]] - $f(n) = 23 + 7 = 30$
[[3,5,2][4,8,7][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,7][4,2,5][1,8,6]]

Generated Nodes :

[[3,0,7][4,2,5][1,8,6]] - Already visited Node!
[[4,3,7][0,2,5][1,8,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,0][4,1,7][3,6,5]]

Generated Nodes :

[[8,0,2][4,1,7][3,6,5]] - $f(n) = 23 + 7 = 30$
[[8,2,7][4,1,0][3,6,5]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][4,0,1][3,6,5]]

Generated Nodes :

[[8,0,7][4,2,1][3,6,5]] - $f(n) = 23 + 7 = 30$
[[8,2,7][4,1,0][3,6,5]] - Already visited Node!
[[8,2,7][0,4,1][3,6,5]] - $f(n) = 23 + 7 = 30$
[[8,2,7][4,6,1][3,0,5]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[8,2,4][5,3,1][7,6,0]]

Generated Nodes :

[[8,2,4][5,3,0][7,6,1]] - $f(n) = 23 + 6 = 29$
[[8,2,4][5,3,1][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][1,8,6][7,4,3]]

Generated Nodes :

[[5,0,2][1,8,6][7,4,3]] - Already visited Node!
[[1,5,2][0,8,6][7,4,3]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[0,8,2][5,1,6][7,4,3]]

Generated Nodes :

[[8,0,2][5,1,6][7,4,3]] - $f(n) = 23 + 6 = 29$
[[5,8,2][0,1,6][7,4,3]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][8,7,6][5,3,1]]

Generated Nodes :

[[2,0,4][8,7,6][5,3,1]] - $f(n) = 23 + 7 = 30$
[[8,2,4][0,7,6][5,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][7,0,6][5,3,1]]

Generated Nodes :

[[8,0,4][7,2,6][5,3,1]] - $f(n) = 23 + 7 = 30$
[[8,2,4][7,6,0][5,3,1]] - $f(n) = 23 + 7 = 30$
[[8,2,4][0,7,6][5,3,1]] - Already visited Node!
[[8,2,4][7,3,6][5,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,5,2][4,0,7][8,3,6]]

Generated Nodes :

[[1,0,2][4,5,7][8,3,6]] - $f(n) = 23 + 5 = 28$
[[1,5,2][4,7,0][8,3,6]] - Already visited Node!
[[1,5,2][0,4,7][8,3,6]] - $f(n) = 23 + 7 = 30$
[[1,5,2][4,3,7][8,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,7,0][4,3,5][8,6,2]]

Generated Nodes :

[[1,0,7][4,3,5][8,6,2]] - $f(n) = 23 + 6 = 29$
[[1,7,5][4,3,0][8,6,2]] - Already visited Node!

Node Chosen for Level 23 – [[1,7,5][4,0,3][8,6,2]]

Generated Nodes :

[[1,0,5][4,7,3][8,6,2]] – $f(n) = 23 + 6 = 29$
[[1,7,5][4,3,0][8,6,2]] – Already visited Node!
[[1,7,5][0,4,3][8,6,2]] – $f(n) = 23 + 7 = 30$
[[1,7,5][4,6,3][8,0,2]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 – [[3,5,2][0,4,6][7,8,1]]

Generated Nodes :

[[0,5,2][3,4,6][7,8,1]] – Already visited Node!
[[3,5,2][4,0,6][7,8,1]] – $f(n) = 24 + 4 = 28$
[[3,5,2][7,4,6][0,8,1]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 22 – [[8,2,1][5,6,7][3,0,4]]

Generated Nodes :

[[8,2,1][5,0,7][3,6,4]] – Already visited Node!
[[8,2,1][5,6,7][3,4,0]] – $f(n) = 22 + 7 = 29$
[[8,2,1][5,6,7][0,3,4]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[8,2,1][5,7,4][3,0,6]]

Generated Nodes :

[[8,2,1][5,0,4][3,7,6]] – $f(n) = 22 + 7 = 29$
[[8,2,1][5,7,4][3,6,0]] – Already visited Node!
[[8,2,1][5,7,4][0,3,6]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,0,8][7,4,6][3,2,1]]

Generated Nodes :

[[5,8,0][7,4,6][3,2,1]] – $f(n) = 22 + 7 = 29$
[[0,5,8][7,4,6][3,2,1]] – $f(n) = 22 + 7 = 29$
[[5,4,8][7,0,6][3,2,1]] – Already visited Node!

Node Chosen for Level 22 – [[5,4,8][0,7,6][3,2,1]]

Generated Nodes :

[[0,4,8][5,7,6][3,2,1]] – $f(n) = 22 + 7 = 29$
[[5,4,8][7,0,6][3,2,1]] – Already visited Node!
[[5,4,8][3,7,6][0,2,1]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[8,0,5][3,7,6][1,2,4]]

Generated Nodes :

[[8,5,0][3,7,6][1,2,4]] - $f(n) = 22 + 7 = 29$
[[0,8,5][3,7,6][1,2,4]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,0,6][1,2,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,3,6][1,2,4]]

Generated Nodes :

[[0,7,5][8,3,6][1,2,4]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,0,6][1,2,4]] - Already visited Node!
[[8,7,5][1,3,6][0,2,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][0,2,6][3,1,4]]

Generated Nodes :

[[0,7,5][8,2,6][3,1,4]] - $f(n) = 22 + 7 = 29$
[[8,7,5][2,0,6][3,1,4]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,2,6][0,1,4]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,5][0,7,6][3,2,1]]

Generated Nodes :

[[0,8,5][4,7,6][3,2,1]] - Already visited Node!
[[4,8,5][7,0,6][3,2,1]] - Already visited Node!
[[4,8,5][3,7,6][0,2,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,5][1,4,6][8,2,3]]

Generated Nodes :

[[7,5,0][1,4,6][8,2,3]] - $f(n) = 22 + 7 = 29$
[[0,7,5][1,4,6][8,2,3]] - $f(n) = 22 + 7 = 29$
[[7,4,5][1,0,6][8,2,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,5][0,1,6][8,2,3]]

Generated Nodes :

[[0,4,5][7,1,6][8,2,3]] - $f(n) = 22 + 7 = 29$
[[7,4,5][1,0,6][8,2,3]] - Already visited Node!
[[7,4,5][8,1,6][0,2,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,5][4,2,8][3,1,6]]

Generated Nodes :

[[7,5,0][4,2,8][3,1,6]] - Already visited Node!
[[0,7,5][4,2,8][3,1,6]] - $f(n) = 22 + 7 = 29$
[[7,2,5][4,0,8][3,1,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[7,5,8][4,1,0][3,6,2]]$

Generated Nodes :

$[[7,5,0][4,1,8][3,6,2]] - f(n) = 22 + 7 = 29$
 $[[7,5,8][4,0,1][3,6,2]] - f(n) = 22 + 7 = 29$
 $[[7,5,8][4,1,2][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,8][7,4,6][3,2,1]]$

Generated Nodes :

$[[5,8,0][7,4,6][3,2,1]] - f(n) = 22 + 7 = 29$
 $[[0,5,8][7,4,6][3,2,1]] - f(n) = 22 + 7 = 29$
 $[[5,4,8][7,0,6][3,2,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,4,8][0,7,6][3,2,1]]$

Generated Nodes :

$[[0,4,8][5,7,6][3,2,1]] - f(n) = 22 + 7 = 29$
 $[[5,4,8][7,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[5,4,8][3,7,6][0,2,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,2][3,8,6][1,4,7]]$

Generated Nodes :

$[[5,2,0][3,8,6][1,4,7]] - f(n) = 22 + 6 = 28$
 $[[0,5,2][3,8,6][1,4,7]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][3,0,6][1,4,7]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][0,3,6][1,4,7]]$

Generated Nodes :

$[[0,8,2][5,3,6][1,4,7]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][3,0,6][1,4,7]] - \text{Already visited Node!}$
 $[[5,8,2][1,3,6][0,4,7]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,8,2][0,4,6][3,1,7]]$

Generated Nodes :

$[[0,8,2][5,4,6][3,1,7]] - f(n) = 22 + 7 = 29$
 $[[5,8,2][4,0,6][3,1,7]] - f(n) = 22 + 6 = 28$
 $[[5,8,2][3,4,6][0,1,7]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,8][0,7,3][1,6,4]]$

Generated Nodes :

[[0,2,8][5,7,3][1,6,4]] - $f(n) = 22 + 7 = 29$
[[5,2,8][7,0,3][1,6,4]] - Already visited Node!
[[5,2,8][1,7,3][0,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,8][7,6,3][1,0,4]]

Generated Nodes :

[[5,2,8][7,0,3][1,6,4]] - Already visited Node!
[[5,2,8][7,6,3][1,4,0]] - $f(n) = 22 + 7 = 29$
[[5,2,8][7,6,3][0,1,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,2,8][7,3,4][1,0,6]]

Generated Nodes :

[[5,2,8][7,0,4][1,3,6]] - $f(n) = 22 + 7 = 29$
[[5,2,8][7,3,4][1,6,0]] - Already visited Node!
[[5,2,8][7,3,4][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,7,5][0,1,2][6,8,4]]

Generated Nodes :

[[0,7,5][3,1,2][6,8,4]] - Already visited Node!
[[3,7,5][1,0,2][6,8,4]] - Already visited Node!
[[3,7,5][6,1,2][0,8,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,1][3,2,5][6,8,4]]

Generated Nodes :

[[7,1,0][3,2,5][6,8,4]] - Already visited Node!
[[0,7,1][3,2,5][6,8,4]] - $f(n) = 22 + 7 = 29$
[[7,2,1][3,0,5][6,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,1,6][3,4,2]]

Generated Nodes :

[[0,7,5][8,1,6][3,4,2]] - Already visited Node!
[[8,7,5][1,0,6][3,4,2]] - Already visited Node!
[[8,7,5][3,1,6][0,4,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,1,5][3,8,6][4,0,2]]

Generated Nodes :

[[7,1,5][3,0,6][4,8,2]] - $f(n) = 22 + 6 = 28$
[[7,1,5][3,8,6][4,2,0]] - $f(n) = 22 + 7 = 29$
[[7,1,5][3,8,6][0,4,2]] - Already visited Node!

Node Chosen for Level 22 - $[[7,1,5][0,4,6][8,3,2]]$

Generated Nodes :

$[[0,1,5][7,4,6][8,3,2]] - f(n) = 22 + 7 = 29$
 $[[7,1,5][4,0,6][8,3,2]] - f(n) = 22 + 6 = 28$
 $[[7,1,5][8,4,6][0,3,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,2,1][7,6,4][8,0,3]]$

Generated Nodes :

$[[5,2,1][7,0,4][8,6,3]] - f(n) = 22 + 7 = 29$
 $[[5,2,1][7,6,4][8,3,0]] - \text{Already visited Node!}$
 $[[5,2,1][7,6,4][0,8,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[7,0,5][1,4,6][8,2,3]]$

Generated Nodes :

$[[7,5,0][1,4,6][8,2,3]] - f(n) = 22 + 7 = 29$
 $[[0,7,5][1,4,6][8,2,3]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][1,0,6][8,2,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][0,1,6][8,2,3]]$

Generated Nodes :

$[[0,4,5][7,1,6][8,2,3]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][1,0,6][8,2,3]] - \text{Already visited Node!}$
 $[[7,4,5][8,1,6][0,2,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,0,2][7,6,3][1,8,4]]$

Generated Nodes :

$[[5,2,0][7,6,3][1,8,4]] - f(n) = 22 + 6 = 28$
 $[[0,5,2][7,6,3][1,8,4]] - \text{Already visited Node!}$
 $[[5,6,2][7,0,3][1,8,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,2][6,3,0][1,8,4]]$

Generated Nodes :

$[[7,5,0][6,3,2][1,8,4]] - f(n) = 22 + 7 = 29$
 $[[7,5,2][6,0,3][1,8,4]] - \text{Already visited Node!}$
 $[[7,5,2][6,3,4][1,8,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[7,5,3][1,4,2][0,8,6]]$

Generated Nodes :

[[7,5,3][0,4,2][1,8,6]] - Already visited Node!
[[7,5,3][1,4,2][8,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,3][5,7,2][1,8,6]]

Generated Nodes :

[[4,0,3][5,7,2][1,8,6]] - $f(n) = 23 + 6 = 29$
[[5,4,3][0,7,2][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,3][1,7,2][0,8,6]]

Generated Nodes :

[[5,4,3][0,7,2][1,8,6]] - Already visited Node!
[[5,4,3][1,7,2][8,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,5,0][8,4,2][7,3,6]]

Generated Nodes :

[[1,0,5][8,4,2][7,3,6]] - $f(n) = 23 + 6 = 29$
[[1,5,2][8,4,0][7,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,5,2][8,3,4][7,6,0]]

Generated Nodes :

[[1,5,2][8,3,0][7,6,4]] - $f(n) = 23 + 6 = 29$
[[1,5,2][8,3,4][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][3,5,7][1,6,0]]

Generated Nodes :

[[8,2,4][3,5,0][1,6,7]] - $f(n) = 23 + 6 = 29$
[[8,2,4][3,5,7][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,2][8,5,3][6,4,0]]

Generated Nodes :

[[1,7,2][8,5,0][6,4,3]] - $f(n) = 23 + 6 = 29$
[[1,7,2][8,5,3][6,0,4]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,5][4,7,6][8,2,3]]

Generated Nodes :

[[1,5,0][4,7,6][8,2,3]] - $f(n) = 24 + 5 = 29$
[[0,1,5][4,7,6][8,2,3]] - $f(n) = 24 + 6 = 30$

[[1,7,5][4,0,6][8,2,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][4,5,3][8,0,6]]

Generated Nodes :

[[7,2,1][4,0,3][8,5,6]] - $f(n) = 24 + 6 = 30$
[[7,2,1][4,5,3][8,6,0]] - Already visited Node!
[[7,2,1][4,5,3][0,8,6]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 22 - [[1,0,4][2,7,5][8,3,6]]

Generated Nodes :

[[1,4,0][2,7,5][8,3,6]] - $f(n) = 22 + 7 = 29$
[[0,1,4][2,7,5][8,3,6]] - $f(n) = 22 + 8 = 30$
[[1,7,4][2,0,5][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,4][2,3,5][8,0,6]]

Generated Nodes :

[[1,7,4][2,0,5][8,3,6]] - Already visited Node!
[[1,7,4][2,3,5][8,6,0]] - $f(n) = 22 + 7 = 29$
[[1,7,4][2,3,5][0,8,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,7,4][8,2,5][3,0,6]]

Generated Nodes :

[[1,7,4][8,0,5][3,2,6]] - $f(n) = 22 + 7 = 29$
[[1,7,4][8,2,5][3,6,0]] - $f(n) = 22 + 7 = 29$
[[1,7,4][8,2,5][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,7,2][3,0,6][5,8,1]]

Generated Nodes :

[[4,0,2][3,7,6][5,8,1]] - $f(n) = 23 + 6 = 29$
[[4,7,2][3,6,0][5,8,1]] - $f(n) = 23 + 7 = 30$
[[4,7,2][0,3,6][5,8,1]] - Already visited Node!
[[4,7,2][3,8,6][5,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[3,7,2][0,5,8][4,1,6]]

Generated Nodes :

[[0,7,2][3,5,8][4,1,6]] - Already visited Node!
[[3,7,2][5,0,8][4,1,6]] - $f(n) = 22 + 8 = 30$
[[3,7,2][4,5,8][0,1,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[2,7,4][3,5,8][1,0,6]]

Generated Nodes :

[[2,7,4][3,0,8][1,5,6]] - $f(n) = 22 + 8 = 30$
[[2,7,4][3,5,8][1,6,0]] - $f(n) = 22 + 7 = 29$
[[2,7,4][3,5,8][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,0,2][5,8,4][7,1,6]]

Generated Nodes :

[[3,2,0][5,8,4][7,1,6]] - $f(n) = 22 + 6 = 28$
[[0,3,2][5,8,4][7,1,6]] - Already visited Node!
[[3,8,2][5,0,4][7,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,2][8,3,4][7,1,6]]

Generated Nodes :

[[5,2,0][8,3,4][7,1,6]] - Already visited Node!
[[0,5,2][8,3,4][7,1,6]] - $f(n) = 22 + 7 = 29$
[[5,3,2][8,0,4][7,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,3,2][8,4,0][7,1,6]]

Generated Nodes :

[[5,3,0][8,4,2][7,1,6]] - $f(n) = 22 + 7 = 29$
[[5,3,2][8,0,4][7,1,6]] - Already visited Node!
[[5,3,2][8,4,6][7,1,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,3,2][8,1,4][7,0,6]]

Generated Nodes :

[[5,3,2][8,0,4][7,1,6]] - Already visited Node!
[[5,3,2][8,1,4][7,6,0]] - $f(n) = 22 + 7 = 29$
[[5,3,2][8,1,4][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[8,7,2][4,3,6][5,1,0]]

Generated Nodes :

[[8,7,2][4,3,0][5,1,6]] - $f(n) = 23 + 7 = 30$
[[8,7,2][4,3,6][5,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][8,4,6][0,3,5]]

Generated Nodes :

[[7,2,1][0,4,6][8,3,5]] - $f(n) = 23 + 6 = 29$
[[7,2,1][8,4,6][3,0,5]] - Already visited Node!

Node Chosen for Level 23 – [[1,2,4][8,0,7][3,5,6]]

Generated Nodes :

[[1,0,4][8,2,7][3,5,6]] – $f(n) = 23 + 7 = 30$
[[1,2,4][8,7,0][3,5,6]] – Already visited Node!
[[1,2,4][0,8,7][3,5,6]] – $f(n) = 23 + 6 = 29$
[[1,2,4][8,5,7][3,0,6]] – $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 – [[1,7,2][8,0,6][3,4,5]]

Generated Nodes :

[[1,0,2][8,7,6][3,4,5]] – $f(n) = 23 + 6 = 29$
[[1,7,2][8,6,0][3,4,5]] – $f(n) = 23 + 7 = 30$
[[1,7,2][0,8,6][3,4,5]] – $f(n) = 23 + 6 = 29$
[[1,7,2][8,4,6][3,0,5]] – Already visited Node!

Node Chosen for Level 23 – [[1,7,2][8,4,6][0,3,5]]

Generated Nodes :

[[1,7,2][0,4,6][8,3,5]] – $f(n) = 23 + 6 = 29$
[[1,7,2][8,4,6][3,0,5]] – Already visited Node!

Node Chosen for Level 24 – [[8,0,4][2,5,6][7,3,1]]

Generated Nodes :

[[8,4,0][2,5,6][7,3,1]] – $f(n) = 24 + 5 = 29$
[[0,8,4][2,5,6][7,3,1]] – Already visited Node!
[[8,5,4][2,0,6][7,3,1]] – Already visited Node!

Node Chosen for Level 24 – [[5,2,4][3,1,6][7,0,8]]

Generated Nodes :

[[5,2,4][3,0,6][7,1,8]] – Already visited Node!
[[5,2,4][3,1,6][7,8,0]] – Already visited Node!
[[5,2,4][3,1,6][0,7,8]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[5,2,6][7,1,4][3,8,0]]

Generated Nodes :

[[5,2,6][7,1,0][3,8,4]] – Already visited Node!
[[5,2,6][7,1,4][3,0,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,2,6][5,7,1][3,8,4]]

Generated Nodes :

[[2,0,6][5,7,1][3,8,4]] - $f(n) = 23 + 7 = 30$
[[5,2,6][0,7,1][3,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][3,7,1][0,8,4]]

Generated Nodes :

[[5,2,6][0,7,1][3,8,4]] - Already visited Node!
[[5,2,6][3,7,1][8,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[7,4,8][2,5,0][3,1,6]]

Generated Nodes :

[[7,4,0][2,5,8][3,1,6]] - Already visited Node!
[[7,4,8][2,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$
[[7,4,8][2,5,6][3,1,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[0,8,2][4,7,6][5,3,1]]

Generated Nodes :

[[8,0,2][4,7,6][5,3,1]] - Already visited Node!
[[4,8,2][0,7,6][5,3,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,2][4,3,6][5,1,0]]

Generated Nodes :

[[8,7,2][4,3,0][5,1,6]] - $f(n) = 23 + 7 = 30$
[[8,7,2][4,3,6][5,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,1][7,8,6][3,4,5]]

Generated Nodes :

[[2,0,1][7,8,6][3,4,5]] - $f(n) = 23 + 7 = 30$
[[7,2,1][0,8,6][3,4,5]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][3,8,6][0,4,5]]

Generated Nodes :

[[7,2,1][0,8,6][3,4,5]] - Already visited Node!
[[7,2,1][3,8,6][4,0,5]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,1][8,4,6][0,3,5]]

Generated Nodes :

[[7,2,1][0,4,6][8,3,5]] - $f(n) = 23 + 6 = 29$

[[7,2,1][8,4,6][3,0,5]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,7][2,5,4][3,1,6]]

Generated Nodes :

[[8,7,0][2,5,4][3,1,6]] - Already visited Node!

[[0,8,7][2,5,4][3,1,6]] - $f(n) = 22 + 7 = 29$

[[8,5,7][2,0,4][3,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,4,2][0,5,8][3,1,6]]

Generated Nodes :

[[0,4,2][7,5,8][3,1,6]] - Already visited Node!

[[7,4,2][5,0,8][3,1,6]] - $f(n) = 22 + 8 = 30$

[[7,4,2][3,5,8][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,0,5][1,8,2][7,3,6]]

Generated Nodes :

[[4,5,0][1,8,2][7,3,6]] - $f(n) = 22 + 7 = 29$

[[0,4,5][1,8,2][7,3,6]] - $f(n) = 22 + 7 = 29$

[[4,8,5][1,0,2][7,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,5][1,2,0][7,3,6]]

Generated Nodes :

[[4,8,0][1,2,5][7,3,6]] - $f(n) = 22 + 7 = 29$

[[4,8,5][1,0,2][7,3,6]] - Already visited Node!

[[4,8,5][1,2,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[4,8,5][1,3,2][7,0,6]]

Generated Nodes :

[[4,8,5][1,0,2][7,3,6]] - Already visited Node!

[[4,8,5][1,3,2][7,6,0]] - $f(n) = 22 + 7 = 29$

[[4,8,5][1,3,2][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,1][8,5,4][3,6,2]]

Generated Nodes :

[[7,1,0][8,5,4][3,6,2]] - Already visited Node!

[[0,7,1][8,5,4][3,6,2]] - $f(n) = 22 + 7 = 29$

[[7,5,1][8,0,4][3,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,4][8,5,2][3,0,6]]

Generated Nodes :

[[7,1,4][8,0,2][3,5,6]] - $f(n) = 22 + 8 = 30$
[[7,1,4][8,5,2][3,6,0]] - Already visited Node!
[[7,1,4][8,5,2][0,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,0,8][5,1,2][7,3,6]]

Generated Nodes :

[[4,8,0][5,1,2][7,3,6]] - $f(n) = 22 + 7 = 29$
[[0,4,8][5,1,2][7,3,6]] - Already visited Node!
[[4,1,8][5,0,2][7,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,4,8][1,2,0][7,3,6]]

Generated Nodes :

[[5,4,0][1,2,8][7,3,6]] - Already visited Node!
[[5,4,8][1,0,2][7,3,6]] - Already visited Node!
[[5,4,8][1,2,6][7,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[5,4,8][1,3,2][7,0,6]]

Generated Nodes :

[[5,4,8][1,0,2][7,3,6]] - Already visited Node!
[[5,4,8][1,3,2][7,6,0]] - $f(n) = 22 + 7 = 29$
[[5,4,8][1,3,2][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,2][5,6,1][7,3,4]]

Generated Nodes :

[[8,2,0][5,6,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[0,8,2][5,6,1][7,3,4]] - Already visited Node!
[[8,6,2][5,0,1][7,3,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,2][6,8,1][7,3,4]]

Generated Nodes :

[[5,2,0][6,8,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[0,5,2][6,8,1][7,3,4]] - $f(n) = 22 + 7 = 29$
[[5,8,2][6,0,1][7,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][6,1,0][7,3,4]]

Generated Nodes :

[[5,8,0][6,1,2][7,3,4]] - $f(n) = 22 + 7 = 29$
[[5,8,2][6,0,1][7,3,4]] - Already visited Node!

$[[5,8,2][6,1,4][7,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,8,2][6,3,1][7,0,4]]$

Generated Nodes :

$[[5,8,2][6,0,1][7,3,4]] - \text{Already visited Node!}$

$[[5,8,2][6,3,1][7,4,0]] - f(n) = 22 + 7 = 29$

$[[5,8,2][6,3,1][0,7,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[6,7,2][0,5,8][3,1,4]]$

Generated Nodes :

$[[0,7,2][6,5,8][3,1,4]] - \text{Already visited Node!}$

$[[6,7,2][5,0,8][3,1,4]] - f(n) = 22 + 8 = 30$

$[[6,7,2][3,5,8][0,1,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,8,5][3,7,2][6,0,4]]$

Generated Nodes :

$[[1,8,5][3,0,2][6,7,4]] - f(n) = 22 + 7 = 29$

$[[1,8,5][3,7,2][6,4,0]] - f(n) = 22 + 7 = 29$

$[[1,8,5][3,7,2][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,5,2][7,6,0][8,3,4]]$

Generated Nodes :

$[[1,5,0][7,6,2][8,3,4]] - \text{Already visited Node!}$

$[[1,5,2][7,0,6][8,3,4]] - f(n) = 22 + 6 = 28$

$[[1,5,2][7,6,4][8,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,6,5][7,2,0][8,3,4]]$

Generated Nodes :

$[[1,6,0][7,2,5][8,3,4]] - f(n) = 22 + 7 = 29$

$[[1,6,5][7,0,2][8,3,4]] - \text{Already visited Node!}$

$[[1,6,5][7,2,4][8,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,6,5][0,7,2][8,3,4]]$

Generated Nodes :

$[[0,6,5][1,7,2][8,3,4]] - f(n) = 22 + 8 = 30$

$[[1,6,5][7,0,2][8,3,4]] - \text{Already visited Node!}$

$[[1,6,5][8,7,2][0,3,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[1,6,5][7,3,2][8,0,4]]$

Generated Nodes :

[[1,6,5][7,0,2][8,3,4]] - Already visited Node!
[[1,6,5][7,3,2][8,4,0]] - $f(n) = 22 + 7 = 29$
[[1,6,5][7,3,2][0,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[8,0,2][5,6,1][7,3,4]]

Generated Nodes :

[[8,2,0][5,6,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[0,8,2][5,6,1][7,3,4]] - Already visited Node!
[[8,6,2][5,0,1][7,3,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,2][6,8,1][7,3,4]]

Generated Nodes :

[[5,2,0][6,8,1][7,3,4]] - $f(n) = 22 + 6 = 28$
[[0,5,2][6,8,1][7,3,4]] - $f(n) = 22 + 7 = 29$
[[5,8,2][6,0,1][7,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][6,1,0][7,3,4]]

Generated Nodes :

[[5,8,0][6,1,2][7,3,4]] - $f(n) = 22 + 7 = 29$
[[5,8,2][6,0,1][7,3,4]] - Already visited Node!
[[5,8,2][6,1,4][7,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,8,2][6,3,1][7,0,4]]

Generated Nodes :

[[5,8,2][6,0,1][7,3,4]] - Already visited Node!
[[5,8,2][6,3,1][7,4,0]] - $f(n) = 22 + 7 = 29$
[[5,8,2][6,3,1][0,7,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,7,2][0,5,8][6,4,1]]

Generated Nodes :

[[0,7,2][3,5,8][6,4,1]] - Already visited Node!
[[3,7,2][5,0,8][6,4,1]] - $f(n) = 22 + 8 = 30$
[[3,7,2][6,5,8][0,4,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,0,5][3,7,2][8,6,4]]

Generated Nodes :

[[1,5,0][3,7,2][8,6,4]] - $f(n) = 22 + 7 = 29$
[[0,1,5][3,7,2][8,6,4]] - $f(n) = 22 + 8 = 30$

[[1,7,5][3,0,2][8,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,5][3,2,0][8,6,4]]

Generated Nodes :

[[1,7,0][3,2,5][8,6,4]] - $f(n) = 22 + 7 = 29$
[[1,7,5][3,0,2][8,6,4]] - Already visited Node!
[[1,7,5][3,2,4][8,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,7,5][3,6,2][8,0,4]]

Generated Nodes :

[[1,7,5][3,0,2][8,6,4]] - Already visited Node!
[[1,7,5][3,6,2][8,4,0]] - $f(n) = 22 + 7 = 29$
[[1,7,5][3,6,2][0,8,4]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[1,7,5][8,3,2][6,0,4]]

Generated Nodes :

[[1,7,5][8,0,2][6,3,4]] - $f(n) = 22 + 7 = 29$
[[1,7,5][8,3,2][6,4,0]] - $f(n) = 22 + 7 = 29$
[[1,7,5][8,3,2][0,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,8,6][0,1,7]]

Generated Nodes :

[[5,2,4][0,8,6][3,1,7]] - $f(n) = 23 + 6 = 29$
[[5,2,4][3,8,6][1,0,7]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,0][3,4,6][2,8,1]]

Generated Nodes :

[[7,0,5][3,4,6][2,8,1]] - Already visited Node!
[[7,5,6][3,4,0][2,8,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,5][3,4,6][2,8,1]]

Generated Nodes :

[[7,0,5][3,4,6][2,8,1]] - Already visited Node!
[[3,7,5][0,4,6][2,8,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,4,5][7,3,6][2,8,1]]

Generated Nodes :

[[4,0,5][7,3,6][2,8,1]] - $f(n) = 23 + 6 = 29$

[[7,4,5][0,3,6][2,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[4,2,5][8,7,6][0,3,1]]

Generated Nodes :

[[4,2,5][0,7,6][8,3,1]] - Already visited Node!

[[4,2,5][8,7,6][3,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[4,2,5][7,3,6][8,1,0]]

Generated Nodes :

[[4,2,5][7,3,0][8,1,6]] - $f(n) = 23 + 7 = 30$

[[4,2,5][7,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,4,5][7,3,6][2,8,1]]

Generated Nodes :

[[4,0,5][7,3,6][2,8,1]] - $f(n) = 23 + 6 = 29$

[[7,4,5][0,3,6][2,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,1,2][5,0,6][7,4,3]]

Generated Nodes :

[[8,0,2][5,1,6][7,4,3]] - $f(n) = 23 + 6 = 29$

[[8,1,2][5,6,0][7,4,3]] - $f(n) = 23 + 7 = 30$

[[8,1,2][0,5,6][7,4,3]] - $f(n) = 23 + 5 = 28$

[[8,1,2][5,4,6][7,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,0][7,4,1][3,8,6]]

Generated Nodes :

[[5,0,2][7,4,1][3,8,6]] - $f(n) = 23 + 7 = 30$

[[5,2,1][7,4,0][3,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,1][5,7,4][3,8,6]]

Generated Nodes :

[[2,0,1][5,7,4][3,8,6]] - $f(n) = 23 + 7 = 30$

[[5,2,1][0,7,4][3,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,1][3,7,4][0,8,6]]

Generated Nodes :

[[5,2,1][0,7,4][3,8,6]] - Already visited Node!

[[5,2,1][3,7,4][8,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,2,1][7,0,3][6,8,4]]

Generated Nodes :

[[5,0,1][7,2,3][6,8,4]] – $f(n) = 23 + 7 = 30$
[[5,2,1][7,3,0][6,8,4]] – Already visited Node!
[[5,2,1][0,7,3][6,8,4]] – $f(n) = 23 + 6 = 29$
[[5,2,1][7,8,3][6,0,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,2,1][7,3,4][6,8,0]]

Generated Nodes :

[[5,2,1][7,3,0][6,8,4]] – Already visited Node!
[[5,2,1][7,3,4][6,0,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 – [[4,0,2][8,5,6][7,3,1]]

Generated Nodes :

[[4,2,0][8,5,6][7,3,1]] – $f(n) = 24 + 4 = 28$
[[0,4,2][8,5,6][7,3,1]] – Already visited Node!
[[4,5,2][8,0,6][7,3,1]] – Already visited Node!

Node Chosen for Level 24 – [[1,2,4][8,5,7][3,0,6]]

Generated Nodes :

[[1,2,4][8,0,7][3,5,6]] – Already visited Node!
[[1,2,4][8,5,7][3,6,0]] – $f(n) = 24 + 5 = 29$
[[1,2,4][8,5,7][0,3,6]] – Already visited Node!

Node Chosen for Level 25 – [[0,2,3][7,5,4][1,8,6]]

Generated Nodes :

[[2,0,3][7,5,4][1,8,6]] – $f(n) = 25 + 5 = 30$
[[7,2,3][0,5,4][1,8,6]] – Already visited Node!

Node Chosen for Level 23 – [[4,5,2][3,7,6][0,8,1]]

Generated Nodes :

[[4,5,2][0,7,6][3,8,1]] – Already visited Node!
[[4,5,2][3,7,6][8,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,4,5][7,2,6][1,8,3]]

Generated Nodes :

[[4,0,5][7,2,6][1,8,3]] – $f(n) = 23 + 6 = 29$

[[7,4,5][0,2,6][1,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][2,0,6][1,8,3]]

Generated Nodes :

[[7,0,5][2,4,6][1,8,3]] - $f(n) = 23 + 6 = 29$
[[7,4,5][2,6,0][1,8,3]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,2,6][1,8,3]] - Already visited Node!
[[7,4,5][2,8,6][1,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,8][4,0,6][3,2,1]]

Generated Nodes :

[[7,0,8][4,5,6][3,2,1]] - $f(n) = 23 + 5 = 28$
[[7,5,8][4,6,0][3,2,1]] - $f(n) = 23 + 7 = 30$
[[7,5,8][0,4,6][3,2,1]] - $f(n) = 23 + 7 = 30$
[[7,5,8][4,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,8][4,2,6][0,3,1]]

Generated Nodes :

[[7,5,8][0,2,6][4,3,1]] - $f(n) = 23 + 7 = 30$
[[7,5,8][4,2,6][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,8,6][0,1,7]]

Generated Nodes :

[[5,2,4][0,8,6][3,1,7]] - $f(n) = 23 + 6 = 29$
[[5,2,4][3,8,6][1,0,7]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,1][5,7,6][8,3,4]]

Generated Nodes :

[[2,0,1][5,7,6][8,3,4]] - $f(n) = 23 + 7 = 30$
[[5,2,1][0,7,6][8,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,1][8,7,6][0,3,4]]

Generated Nodes :

[[5,2,1][0,7,6][8,3,4]] - Already visited Node!
[[5,2,1][8,7,6][3,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,1][7,3,6][8,4,0]]

Generated Nodes :

$[[5,2,1][7,3,0][8,4,6]] - f(n) = 23 + 7 = 30$
 $[[5,2,1][7,3,6][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,4,5][7,2,6][1,8,3]]$

Generated Nodes :

$[[4,0,5][7,2,6][1,8,3]] - f(n) = 23 + 6 = 29$
 $[[7,4,5][0,2,6][1,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,4,5][2,0,6][1,8,3]]$

Generated Nodes :

$[[7,0,5][2,4,6][1,8,3]] - f(n) = 23 + 6 = 29$
 $[[7,4,5][2,6,0][1,8,3]] - f(n) = 23 + 7 = 30$
 $[[7,4,5][0,2,6][1,8,3]] - \text{Already visited Node!}$
 $[[7,4,5][2,8,6][1,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - $[[1,2,4][7,0,6][5,8,3]]$

Generated Nodes :

$[[1,0,4][7,2,6][5,8,3]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][7,6,0][5,8,3]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][0,7,6][5,8,3]] - \text{Already visited Node!}$
 $[[1,2,4][7,8,6][5,0,3]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[5,2,6][3,4,0][7,8,1]]$

Generated Nodes :

$[[5,2,0][3,4,6][7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,0,4][7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,4,1][7,8,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - $[[8,7,4][2,5,6][0,3,1]]$

Generated Nodes :

$[[8,7,4][0,5,6][2,3,1]] - f(n) = 23 + 6 = 29$
 $[[8,7,4][2,5,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,5,0][4,1,2][7,3,6]]$

Generated Nodes :

$[[8,0,5][4,1,2][7,3,6]] - \text{Already visited Node!}$
 $[[8,5,2][4,1,0][7,3,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[8,1,5][4,0,2][7,3,6]]$

Generated Nodes :

[[8,0,5][4,1,2][7,3,6]] - Already visited Node!
[[8,1,5][4,2,0][7,3,6]] - $f(n) = 23 + 6 = 29$
[[8,1,5][0,4,2][7,3,6]] - $f(n) = 23 + 7 = 30$
[[8,1,5][4,3,2][7,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,8][1,5,4][6,3,0]]

Generated Nodes :

[[7,2,8][1,5,0][6,3,4]] - Already visited Node!
[[7,2,8][1,5,4][6,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,8][6,5,4][3,1,0]]

Generated Nodes :

[[7,2,8][6,5,0][3,1,4]] - Already visited Node!
[[7,2,8][6,5,4][3,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,8][3,5,1][6,4,0]]

Generated Nodes :

[[7,2,8][3,5,0][6,4,1]] - Already visited Node!
[[7,2,8][3,5,1][6,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[7,4,2][0,5,6][3,8,1]]

Generated Nodes :

[[0,4,2][7,5,6][3,8,1]] - Already visited Node!
[[7,4,2][5,0,6][3,8,1]] - $f(n) = 24 + 6 = 30$
[[7,4,2][3,5,6][0,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - [[5,2,6][4,1,3][7,8,0]]

Generated Nodes :

[[5,2,6][4,1,0][7,8,3]] - Already visited Node!
[[5,2,6][4,1,3][7,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 22 - [[3,2,4][1,7,0][8,5,6]]

Generated Nodes :

[[3,2,0][1,7,4][8,5,6]] - Already visited Node!
[[3,2,4][1,0,7][8,5,6]] - $f(n) = 22 + 7 = 29$
[[3,2,4][1,7,6][8,5,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[3,7,2][1,4,6][8,0,5]]

Generated Nodes :

$[[3,7,2] [1,0,6] [8,4,5]] - f(n) = 22 + 7 = 29$
 $[[3,7,2] [1,4,6] [8,5,0]] - \text{Already visited Node!}$
 $[[3,7,2] [1,4,6] [0,8,5]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - $[[1,7,4] [2,0,6] [8,5,3]]$

Generated Nodes :

$[[1,0,4] [2,7,6] [8,5,3]] - f(n) = 23 + 6 = 29$
 $[[1,7,4] [2,6,0] [8,5,3]] - f(n) = 23 + 7 = 30$
 $[[1,7,4] [0,2,6] [8,5,3]] - \text{Already visited Node!}$
 $[[1,7,4] [2,5,6] [8,0,3]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[1,7,4] [8,2,6] [0,5,3]]$

Generated Nodes :

$[[1,7,4] [0,2,6] [8,5,3]] - \text{Already visited Node!}$
 $[[1,7,4] [8,2,6] [5,0,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,2,4] [5,6,1] [7,3,8]]$

Generated Nodes :

$[[2,0,4] [5,6,1] [7,3,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4] [0,6,1] [7,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4] [6,0,1] [7,3,8]]$

Generated Nodes :

$[[5,0,4] [6,2,1] [7,3,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4] [6,1,0] [7,3,8]] - f(n) = 23 + 6 = 29$
 $[[5,2,4] [0,6,1] [7,3,8]] - \text{Already visited Node!}$
 $[[5,2,4] [6,3,1] [7,0,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[2,3,0] [7,5,4] [1,8,6]]$

Generated Nodes :

$[[2,0,3] [7,5,4] [1,8,6]] - f(n) = 23 + 5 = 28$
 $[[2,3,4] [7,5,0] [1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,2,1] [3,7,0] [6,5,4]]$

Generated Nodes :

$[[8,2,0] [3,7,1] [6,5,4]] - \text{Already visited Node!}$
 $[[8,2,1] [3,0,7] [6,5,4]] - f(n) = 22 + 7 = 29$

$[[8,2,1][3,7,4][6,5,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[3,2,8][5,7,0][1,6,4]]$

Generated Nodes :

$[[3,2,0][5,7,8][1,6,4]] - \text{Already visited Node!}$

$[[3,2,8][5,0,7][1,6,4]] - f(n) = 22 + 7 = 29$

$[[3,2,8][5,7,4][1,6,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[0,2,4][5,8,3][7,1,6]]$

Generated Nodes :

$[[2,0,4][5,8,3][7,1,6]] - f(n) = 23 + 7 = 30$

$[[5,2,4][0,8,3][7,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][8,0,3][7,1,6]]$

Generated Nodes :

$[[5,0,4][8,2,3][7,1,6]] - f(n) = 23 + 7 = 30$

$[[5,2,4][8,3,0][7,1,6]] - \text{Already visited Node!}$

$[[5,2,4][0,8,3][7,1,6]] - \text{Already visited Node!}$

$[[5,2,4][8,1,3][7,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,1,4][2,5,8][7,3,6]]$

Generated Nodes :

$[[1,0,4][2,5,8][7,3,6]] - f(n) = 23 + 5 = 28$

$[[2,1,4][0,5,8][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,5,4][2,0,8][7,3,6]]$

Generated Nodes :

$[[1,0,4][2,5,8][7,3,6]] - f(n) = 23 + 5 = 28$

$[[1,5,4][2,8,0][7,3,6]] - f(n) = 23 + 6 = 29$

$[[1,5,4][0,2,8][7,3,6]] - \text{Already visited Node!}$

$[[1,5,4][2,3,8][7,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 25 - $[[0,1,4][2,5,6][7,8,3]]$

Generated Nodes :

$[[1,0,4][2,5,6][7,8,3]] - f(n) = 25 + 3 = 28$

$[[2,1,4][0,5,6][7,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,5,4][2,0,6][7,8,3]]$

Generated Nodes :

[[1,0,4][2,5,6][7,8,3]] - $f(n) = 25 + 3 = 28$
[[1,5,4][2,6,0][7,8,3]] - $f(n) = 25 + 5 = 30$
[[1,5,4][0,2,6][7,8,3]] - Already visited Node!
[[1,5,4][2,8,6][7,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 23 - [[0,2,6][8,5,7][3,4,1]]

Generated Nodes :

[[2,0,6][8,5,7][3,4,1]] - $f(n) = 23 + 7 = 30$
[[8,2,6][0,5,7][3,4,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,6][3,5,7][0,4,1]]

Generated Nodes :

[[8,2,6][0,5,7][3,4,1]] - Already visited Node!
[[8,2,6][3,5,7][4,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,7,2][6,5,1][4,8,3]]

Generated Nodes :

[[7,0,2][6,5,1][4,8,3]] - Already visited Node!
[[6,7,2][0,5,1][4,8,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,3,2][5,4,6][7,1,8]]

Generated Nodes :

[[3,0,2][5,4,6][7,1,8]] - $f(n) = 23 + 6 = 29$
[[5,3,2][0,4,6][7,1,8]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,3][0,6,5][1,8,4]]

Generated Nodes :

[[0,2,3][7,6,5][1,8,4]] - $f(n) = 24 + 5 = 29$
[[7,2,3][6,0,5][1,8,4]] - $f(n) = 24 + 5 = 29$
[[7,2,3][1,6,5][0,8,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][4,3,8][1,0,6]]

Generated Nodes :

[[7,5,2][4,0,8][1,3,6]] - $f(n) = 22 + 7 = 29$
[[7,5,2][4,3,8][1,6,0]] - $f(n) = 22 + 7 = 29$
[[7,5,2][4,3,8][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[2,4,8][5,7,6][3,0,1]]

Generated Nodes :

$[2,4,8][5,0,6][3,7,1]$ - $f(n) = 22 + 7 = 29$
 $[2,4,8][5,7,6][3,1,0]$ - Already visited Node!
 $[2,4,8][5,7,6][0,3,1]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[2,7,4][5,8,6][3,0,1]$

Generated Nodes :

$[2,7,4][5,0,6][3,8,1]$ - Already visited Node!
 $[2,7,4][5,8,6][3,1,0]$ - Already visited Node!
 $[2,7,4][5,8,6][0,3,1]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[8,7,5][1,2,6][4,0,3]$

Generated Nodes :

$[8,7,5][1,0,6][4,2,3]$ - $f(n) = 22 + 7 = 29$
 $[8,7,5][1,2,6][4,3,0]$ - Already visited Node!
 $[8,7,5][1,2,6][0,4,3]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[5,4,1][7,2,6][8,0,3]$

Generated Nodes :

$[5,4,1][7,0,6][8,2,3]$ - $f(n) = 22 + 7 = 29$
 $[5,4,1][7,2,6][8,3,0]$ - Already visited Node!
 $[5,4,1][7,2,6][0,8,3]$ - $f(n) = 22 + 6 = 28$

Node Chosen for Level 24 - $[7,2,6][0,5,3][1,8,4]$

Generated Nodes :

$[0,2,6][7,5,3][1,8,4]$ - $f(n) = 24 + 5 = 29$
 $[7,2,6][5,0,3][1,8,4]$ - $f(n) = 24 + 6 = 30$
 $[7,2,6][1,5,3][0,8,4]$ - Already visited Node!

Node Chosen for Level 23 - $[3,7,0][2,5,4][1,8,6]$

Generated Nodes :

$[3,0,7][2,5,4][1,8,6]$ - $f(n) = 23 + 6 = 29$
 $[3,7,4][2,5,0][1,8,6]$ - Already visited Node!

Node Chosen for Level 23 - $[0,2,6][5,4,8][7,3,1]$

Generated Nodes :

$[2,0,6][5,4,8][7,3,1]$ - $f(n) = 23 + 7 = 30$
 $[5,2,6][0,4,8][7,3,1]$ - Already visited Node!

Node Chosen for Level 23 - $[[0,2,6][5,8,1][7,3,4]]$

Generated Nodes :

 $[[2,0,6][5,8,1][7,3,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,6][0,8,1][7,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,6][8,0,1][7,3,4]]$

Generated Nodes :

 $[[5,0,6][8,2,1][7,3,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,6][8,1,0][7,3,4]] - f(n) = 23 + 6 = 29$
 $[[5,2,6][0,8,1][7,3,4]] - \text{Already visited Node!}$
 $[[5,2,6][8,3,1][7,0,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[7,5,4][2,8,6][3,0,1]]$

Generated Nodes :

 $[[7,5,4][2,0,6][3,8,1]] - \text{Already visited Node!}$
 $[[7,5,4][2,8,6][3,1,0]] - \text{Already visited Node!}$
 $[[7,5,4][2,8,6][0,3,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[0,4,7][3,5,2][1,8,6]]$

Generated Nodes :

 $[[4,0,7][3,5,2][1,8,6]] - f(n) = 23 + 6 = 29$
 $[[3,4,7][0,5,2][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,4,7][1,5,2][0,8,6]]$

Generated Nodes :

 $[[3,4,7][0,5,2][1,8,6]] - \text{Already visited Node!}$
 $[[3,4,7][1,5,2][8,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,4,7][8,5,2][0,3,6]]$

Generated Nodes :

 $[[1,4,7][0,5,2][8,3,6]] - \text{Already visited Node!}$
 $[[1,4,7][8,5,2][3,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,7,2][1,5,6][4,3,8]]$

Generated Nodes :

 $[[7,0,2][1,5,6][4,3,8]] - \text{Already visited Node!}$
 $[[1,7,2][0,5,6][4,3,8]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 22 - $[[8,5,2][3,7,6][1,0,4]]$

Generated Nodes :

 $[[8,5,2][3,0,6][1,7,4]] - f(n) = 22 + 7 = 29$
 $[[8,5,2][3,7,6][1,4,0]] - \text{Already visited Node!}$
 $[[8,5,2][3,7,6][0,1,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,2,7][0,3,5][1,4,6]]$

Generated Nodes :

 $[[0,2,7][8,3,5][1,4,6]] - f(n) = 22 + 7 = 29$
 $[[8,2,7][3,0,5][1,4,6]] - \text{Already visited Node!}$
 $[[8,2,7][1,3,5][0,4,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,2,7][3,4,5][1,0,6]]$

Generated Nodes :

 $[[8,2,7][3,0,5][1,4,6]] - \text{Already visited Node!}$
 $[[8,2,7][3,4,5][1,6,0]] - f(n) = 22 + 7 = 29$
 $[[8,2,7][3,4,5][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,2][4,7,8][3,1,6]]$

Generated Nodes :

 $[[5,2,0][4,7,8][3,1,6]] - f(n) = 22 + 6 = 28$
 $[[0,5,2][4,7,8][3,1,6]] - \text{Already visited Node!}$
 $[[5,7,2][4,0,8][3,1,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,2,8][0,7,5][3,1,6]]$

Generated Nodes :

 $[[0,2,8][4,7,5][3,1,6]] - f(n) = 22 + 6 = 28$
 $[[4,2,8][7,0,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][3,7,5][0,1,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,2,8][7,1,5][3,0,6]]$

Generated Nodes :

 $[[4,2,8][7,0,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][7,1,5][3,6,0]] - f(n) = 22 + 7 = 29$
 $[[4,2,8][7,1,5][0,3,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,0,5][3,4,1][6,8,2]]$

Generated Nodes :

$[[7,5,0][3,4,1][6,8,2]] - f(n) = 22 + 7 = 29$
 $[[0,7,5][3,4,1][6,8,2]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,0,1][6,8,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][3,1,0][6,8,2]]$

Generated Nodes :

$[[7,4,0][3,1,5][6,8,2]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,0,1][6,8,2]] - \text{Already visited Node!}$
 $[[7,4,5][3,1,2][6,8,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,4,5][0,3,1][6,8,2]]$

Generated Nodes :

$[[0,4,5][7,3,1][6,8,2]] - f(n) = 22 + 7 = 29$
 $[[7,4,5][3,0,1][6,8,2]] - \text{Already visited Node!}$
 $[[7,4,5][6,3,1][0,8,2]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,5,2][7,1,6][8,0,3]]$

Generated Nodes :

$[[4,5,2][7,0,6][8,1,3]] - f(n) = 22 + 7 = 29$
 $[[4,5,2][7,1,6][8,3,0]] - \text{Already visited Node!}$
 $[[4,5,2][7,1,6][0,8,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[4,1,5][7,2,6][8,0,3]]$

Generated Nodes :

$[[4,1,5][7,0,6][8,2,3]] - f(n) = 22 + 7 = 29$
 $[[4,1,5][7,2,6][8,3,0]] - \text{Already visited Node!}$
 $[[4,1,5][7,2,6][0,8,3]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[8,2,4][5,3,0][1,7,6]]$

Generated Nodes :

$[[8,2,0][5,3,4][1,7,6]] - \text{Already visited Node!}$
 $[[8,2,4][5,0,3][1,7,6]] - f(n) = 22 + 7 = 29$
 $[[8,2,4][5,3,6][1,7,0]] - f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - $[[5,2,7][3,8,0][1,6,4]]$

Generated Nodes :

$[[5,2,0][3,8,7][1,6,4]] - \text{Already visited Node!}$
 $[[5,2,7][3,0,8][1,6,4]] - f(n) = 22 + 7 = 29$
 $[[5,2,7][3,8,4][1,6,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[3,0,5][1,7,2][6,8,4]]

Generated Nodes :

[[3,5,0][1,7,2][6,8,4]] – $f(n) = 22 + 7 = 29$
[[0,3,5][1,7,2][6,8,4]] – $f(n) = 22 + 7 = 29$
[[3,7,5][1,0,2][6,8,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,7,5][1,2,0][6,8,4]]

Generated Nodes :

[[3,7,0][1,2,5][6,8,4]] – $f(n) = 22 + 7 = 29$
[[3,7,5][1,0,2][6,8,4]] – Already visited Node!
[[3,7,5][1,2,4][6,8,0]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[3,7,5][0,1,2][6,8,4]]

Generated Nodes :

[[0,7,5][3,1,2][6,8,4]] – Already visited Node!
[[3,7,5][1,0,2][6,8,4]] – Already visited Node!
[[3,7,5][6,1,2][0,8,4]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,0,5][3,8,6][1,4,2]]

Generated Nodes :

[[7,5,0][3,8,6][1,4,2]] – $f(n) = 22 + 7 = 29$
[[0,7,5][3,8,6][1,4,2]] – $f(n) = 22 + 7 = 29$
[[7,8,5][3,0,6][1,4,2]] – Already visited Node!

Node Chosen for Level 22 – [[7,8,5][0,3,6][1,4,2]]

Generated Nodes :

[[0,8,5][7,3,6][1,4,2]] – $f(n) = 22 + 7 = 29$
[[7,8,5][3,0,6][1,4,2]] – Already visited Node!
[[7,8,5][1,3,6][0,4,2]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,8,5][3,4,6][1,0,2]]

Generated Nodes :

[[7,8,5][3,0,6][1,4,2]] – Already visited Node!
[[7,8,5][3,4,6][1,2,0]] – $f(n) = 22 + 7 = 29$
[[7,8,5][3,4,6][0,1,2]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[5,2,8][7,6,0][3,1,4]]

Generated Nodes :

[[5,2,0][7,6,8][3,1,4]] - Already visited Node!
[[5,2,8][7,0,6][3,1,4]] - $f(n) = 22 + 6 = 28$
[[5,2,8][7,6,4][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,2,7][0,1,5][3,6,4]]

Generated Nodes :

[[0,2,7][8,1,5][3,6,4]] - $f(n) = 22 + 7 = 29$
[[8,2,7][1,0,5][3,6,4]] - Already visited Node!
[[8,2,7][3,1,5][0,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,2,7][1,6,5][3,0,4]]

Generated Nodes :

[[8,2,7][1,0,5][3,6,4]] - Already visited Node!
[[8,2,7][1,6,5][3,4,0]] - $f(n) = 22 + 7 = 29$
[[8,2,7][1,6,5][0,3,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,0,5][1,7,6][3,4,2]]

Generated Nodes :

[[8,5,0][1,7,6][3,4,2]] - $f(n) = 22 + 7 = 29$
[[0,8,5][1,7,6][3,4,2]] - $f(n) = 22 + 7 = 29$
[[8,7,5][1,0,6][3,4,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,1,6][3,4,2]]

Generated Nodes :

[[0,7,5][8,1,6][3,4,2]] - Already visited Node!
[[8,7,5][1,0,6][3,4,2]] - Already visited Node!
[[8,7,5][3,1,6][0,4,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][1,4,6][3,0,2]]

Generated Nodes :

[[8,7,5][1,0,6][3,4,2]] - Already visited Node!
[[8,7,5][1,4,6][3,2,0]] - $f(n) = 22 + 7 = 29$
[[8,7,5][1,4,6][0,3,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,5,2][0,1,4][6,8,3]]

Generated Nodes :

[[0,5,2][7,1,4][6,8,3]] - $f(n) = 22 + 7 = 29$
[[7,5,2][1,0,4][6,8,3]] - $f(n) = 22 + 7 = 29$
[[7,5,2][6,1,4][0,8,3]] - Already visited Node!

Node Chosen for Level 22 – [[7,5,1][4,2,0][8,3,6]]

Generated Nodes :

[[7,5,0][4,2,1][8,3,6]] – $f(n) = 22 + 7 = 29$
[[7,5,1][4,0,2][8,3,6]] – Already visited Node!
[[7,5,1][4,2,6][8,3,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[7,5,1][4,3,2][8,0,6]]

Generated Nodes :

[[7,5,1][4,0,2][8,3,6]] – Already visited Node!
[[7,5,1][4,3,2][8,6,0]] – $f(n) = 22 + 7 = 29$
[[7,5,1][4,3,2][0,8,6]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[5,4,1][7,2,6][8,0,3]]

Generated Nodes :

[[5,4,1][7,0,6][8,2,3]] – $f(n) = 22 + 7 = 29$
[[5,4,1][7,2,6][8,3,0]] – Already visited Node!
[[5,4,1][7,2,6][0,8,3]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[5,2,4][8,1,0][3,7,6]]

Generated Nodes :

[[5,2,0][8,1,4][3,7,6]] – Already visited Node!
[[5,2,4][8,0,1][3,7,6]] – Already visited Node!
[[5,2,4][8,1,6][3,7,0]] – $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 – [[5,1,2][8,4,6][3,0,7]]

Generated Nodes :

[[5,1,2][8,0,6][3,4,7]] – $f(n) = 22 + 7 = 29$
[[5,1,2][8,4,6][3,7,0]] – Already visited Node!
[[5,1,2][8,4,6][0,3,7]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[7,3,5][0,6,2][1,8,4]]

Generated Nodes :

[[0,3,5][7,6,2][1,8,4]] – $f(n) = 22 + 7 = 29$
[[7,3,5][6,0,2][1,8,4]] – $f(n) = 22 + 7 = 29$
[[7,3,5][1,6,2][0,8,4]] – Already visited Node!

Node Chosen for Level 23 – [[0,2,4][5,6,1][7,3,8]]

Generated Nodes :

$[[2,0,4][5,6,1][7,3,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][0,6,1][7,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][6,0,1][7,3,8]]$

Generated Nodes :

$[[5,0,4][6,2,1][7,3,8]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][6,1,0][7,3,8]] - f(n) = 23 + 6 = 29$
 $[[5,2,4][0,6,1][7,3,8]] - \text{Already visited Node!}$
 $[[5,2,4][6,3,1][7,0,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[8,1,0][4,5,7][3,6,2]]$

Generated Nodes :

$[[8,0,1][4,5,7][3,6,2]] - f(n) = 23 + 6 = 29$
 $[[8,1,7][4,5,0][3,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,1,7][4,5,2][3,6,0]]$

Generated Nodes :

$[[8,1,7][4,5,0][3,6,2]] - \text{Already visited Node!}$
 $[[8,1,7][4,5,2][3,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,7,2][8,5,6][4,1,3]]$

Generated Nodes :

$[[7,0,2][8,5,6][4,1,3]] - \text{Already visited Node!}$
 $[[8,7,2][0,5,6][4,1,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,2,1][5,6,8][7,3,4]]$

Generated Nodes :

$[[2,0,1][5,6,8][7,3,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,1][0,6,8][7,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,1][6,0,8][7,3,4]]$

Generated Nodes :

$[[5,0,1][6,2,8][7,3,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,1][6,8,0][7,3,4]] - f(n) = 23 + 6 = 29$
 $[[5,2,1][0,6,8][7,3,4]] - \text{Already visited Node!}$
 $[[5,2,1][6,3,8][7,0,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,2,1][5,8,4][7,3,6]]$

Generated Nodes :

[[2,0,1][5,8,4][7,3,6]] - $f(n) = 23 + 7 = 30$
[[5,2,1][0,8,4][7,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,1][8,0,4][7,3,6]]

Generated Nodes :

[[5,0,1][8,2,4][7,3,6]] - $f(n) = 23 + 7 = 30$
[[5,2,1][8,4,0][7,3,6]] - $f(n) = 23 + 6 = 29$
[[5,2,1][0,8,4][7,3,6]] - Already visited Node!
[[5,2,1][8,3,4][7,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[1,2,4][0,3,7][5,8,6]]

Generated Nodes :

[[0,2,4][1,3,7][5,8,6]] - $f(n) = 24 + 6 = 30$
[[1,2,4][3,0,7][5,8,6]] - $f(n) = 24 + 5 = 29$
[[1,2,4][5,3,7][0,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,2,4][3,7,0][5,8,6]]

Generated Nodes :

[[1,2,0][3,7,4][5,8,6]] - Already visited Node!
[[1,2,4][3,0,7][5,8,6]] - $f(n) = 24 + 5 = 29$
[[1,2,4][3,7,6][5,8,0]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - [[1,8,5][6,0,2][7,3,4]]

Generated Nodes :

[[1,0,5][6,8,2][7,3,4]] - $f(n) = 23 + 6 = 29$
[[1,8,5][6,2,0][7,3,4]] - $f(n) = 23 + 6 = 29$
[[1,8,5][0,6,2][7,3,4]] - Already visited Node!
[[1,8,5][6,3,2][7,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 25 - [[1,4,3][5,0,2][7,8,6]]

Generated Nodes :

[[1,0,3][5,4,2][7,8,6]] - Already visited Node!
[[1,4,3][5,2,0][7,8,6]] - $f(n) = 25 + 4 = 29$
[[1,4,3][0,5,2][7,8,6]] - $f(n) = 25 + 3 = 28$
[[1,4,3][5,8,2][7,0,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - [[7,2,1][0,5,4][6,8,3]]

Generated Nodes :

[[0,2,1][7,5,4][6,8,3]] - $f(n) = 24 + 5 = 29$

[[7,2,1][5,0,4][6,8,3]] - $f(n) = 24 + 6 = 30$
[[7,2,1][6,5,4][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,5,2][4,7,6][8,0,3]]

Generated Nodes :

[[1,5,2][4,0,6][8,7,3]] - $f(n) = 24 + 5 = 29$
[[1,5,2][4,7,6][8,3,0]] - Already visited Node!
[[1,5,2][4,7,6][0,8,3]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 24 - [[1,2,7][4,3,5][8,0,6]]

Generated Nodes :

[[1,2,7][4,0,5][8,3,6]] - Already visited Node!
[[1,2,7][4,3,5][8,6,0]] - $f(n) = 24 + 5 = 29$
[[1,2,7][4,3,5][0,8,6]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - [[0,2,1][8,5,7][3,6,4]]

Generated Nodes :

[[2,0,1][8,5,7][3,6,4]] - $f(n) = 23 + 7 = 30$
[[8,2,1][0,5,7][3,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,1][3,5,7][0,6,4]]

Generated Nodes :

[[8,2,1][0,5,7][3,6,4]] - Already visited Node!
[[8,2,1][3,5,7][6,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,4,8][5,2,6][7,3,1]]

Generated Nodes :

[[4,0,8][5,2,6][7,3,1]] - $f(n) = 23 + 6 = 29$
[[5,4,8][0,2,6][7,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,8][2,0,6][7,3,1]]

Generated Nodes :

[[5,0,8][2,4,6][7,3,1]] - $f(n) = 23 + 6 = 29$
[[5,4,8][2,6,0][7,3,1]] - $f(n) = 23 + 7 = 30$
[[5,4,8][0,2,6][7,3,1]] - Already visited Node!
[[5,4,8][2,3,6][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[4,8,5][2,0,6][7,3,1]]

Generated Nodes :

```

-----
[[4,0,5][2,8,6][7,3,1]] - f(n) = 23 + 6 = 29
[[4,8,5][2,6,0][7,3,1]] - f(n) = 23 + 7 = 30
[[4,8,5][0,2,6][7,3,1]] - Already visited Node!
[[4,8,5][2,3,6][7,0,1]] - f(n) = 23 + 6 = 29
-----
Node Chosen for Level 23 - [[0,4,8][5,2,6][7,3,1]]

Generated Nodes :
-----
[[4,0,8][5,2,6][7,3,1]] - f(n) = 23 + 6 = 29
[[5,4,8][0,2,6][7,3,1]] - Already visited Node!
-----
Node Chosen for Level 23 - [[5,4,8][2,0,6][7,3,1]]

Generated Nodes :
-----
[[5,0,8][2,4,6][7,3,1]] - f(n) = 23 + 6 = 29
[[5,4,8][2,6,0][7,3,1]] - f(n) = 23 + 7 = 30
[[5,4,8][0,2,6][7,3,1]] - Already visited Node!
[[5,4,8][2,3,6][7,0,1]] - f(n) = 23 + 6 = 29
-----
Node Chosen for Level 23 - [[1,5,0][7,3,2][6,8,4]]

Generated Nodes :
-----
[[1,0,5][7,3,2][6,8,4]] - Already visited Node!
[[1,5,2][7,3,0][6,8,4]] - f(n) = 23 + 6 = 29
-----
Node Chosen for Level 23 - [[1,3,5][7,0,2][6,8,4]]

Generated Nodes :
-----
[[1,0,5][7,3,2][6,8,4]] - Already visited Node!
[[1,3,5][7,2,0][6,8,4]] - f(n) = 23 + 6 = 29
[[1,3,5][0,7,2][6,8,4]] - f(n) = 23 + 6 = 29
[[1,3,5][7,8,2][6,0,4]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[1,5,0][7,8,6][3,4,2]]

Generated Nodes :
-----
[[1,0,5][7,8,6][3,4,2]] - Already visited Node!
[[1,5,6][7,8,0][3,4,2]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[1,8,5][7,0,6][3,4,2]]

Generated Nodes :
-----
[[1,0,5][7,8,6][3,4,2]] - Already visited Node!
[[1,8,5][7,6,0][3,4,2]] - Already visited Node!
[[1,8,5][0,7,6][3,4,2]] - f(n) = 23 + 6 = 29

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$[[1,8,5][7,4,6][3,0,2]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,7,2][6,5,3][1,8,4]]$

Generated Nodes :

$[[7,0,2][6,5,3][1,8,4]] - \text{Already visited Node!}$

$[[6,7,2][0,5,3][1,8,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - $[[7,5,3][4,2,0][1,8,6]]$

Generated Nodes :

$[[7,5,0][4,2,3][1,8,6]] - f(n) = 24 + 6 = 30$

$[[7,5,3][4,0,2][1,8,6]] - \text{Already visited Node!}$

$[[7,5,3][4,2,6][1,8,0]] - f(n) = 24 + 4 = 28$

Node Chosen for Level 24 - $[[1,5,2][8,4,6][7,0,3]]$

Generated Nodes :

$[[1,5,2][8,0,6][7,4,3]] - f(n) = 24 + 5 = 29$

$[[1,5,2][8,4,6][7,3,0]] - \text{Already visited Node!}$

$[[1,5,2][8,4,6][0,7,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[1,2,4][8,5,6][0,7,3]]$

Generated Nodes :

$[[1,2,4][0,5,6][8,7,3]] - \text{Already visited Node!}$

$[[1,2,4][8,5,6][7,0,3]] - f(n) = 25 + 3 = 28$

Node Chosen for Level 25 - $[[0,2,4][8,5,6][7,1,3]]$

Generated Nodes :

$[[2,0,4][8,5,6][7,1,3]] - f(n) = 25 + 5 = 30$

$[[8,2,4][0,5,6][7,1,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,8,2][4,5,6][3,0,1]]$

Generated Nodes :

$[[7,8,2][4,0,6][3,5,1]] - f(n) = 24 + 6 = 30$

$[[7,8,2][4,5,6][3,1,0]] - \text{Already visited Node!}$

$[[7,8,2][4,5,6][0,3,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - $[[1,7,0][2,5,4][8,3,6]]$

Generated Nodes :

$[[1,0,7][2,5,4][8,3,6]] - f(n) = 23 + 6 = 29$

[[1,7,4][2,5,0][8,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,2][4,3,6][5,8,1]]

Generated Nodes :

[[7,2,0][4,3,6][5,8,1]] - $f(n) = 24 + 4 = 28$
[[0,7,2][4,3,6][5,8,1]] - Already visited Node!
[[7,3,2][4,0,6][5,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,2,4][8,7,6][3,0,5]]

Generated Nodes :

[[1,2,4][8,0,6][3,7,5]] - $f(n) = 24 + 5 = 29$
[[1,2,4][8,7,6][3,5,0]] - Already visited Node!
[[1,2,4][8,7,6][0,3,5]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[1,7,2][6,5,8][0,3,4]]

Generated Nodes :

[[1,7,2][0,5,8][6,3,4]] - Already visited Node!
[[1,7,2][6,5,8][3,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[5,2,4][0,3,6][1,8,7]]

Generated Nodes :

[[0,2,4][5,3,6][1,8,7]] - $f(n) = 24 + 5 = 29$
[[5,2,4][3,0,6][1,8,7]] - Already visited Node!
[[5,2,4][1,3,6][0,8,7]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - [[8,2,4][3,5,6][7,1,0]]

Generated Nodes :

[[8,2,4][3,5,0][7,1,6]] - $f(n) = 25 + 5 = 30$
[[8,2,4][3,5,6][7,0,1]] - Already visited Node!

Node Chosen for Level 24 - [[5,0,2][4,7,6][3,8,1]]

Generated Nodes :

[[5,2,0][4,7,6][3,8,1]] - $f(n) = 24 + 4 = 28$
[[0,5,2][4,7,6][3,8,1]] - Already visited Node!
[[5,7,2][4,0,6][3,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,4][0,3,6][1,8,7]]

Generated Nodes :

$[[0,2,4][5,3,6][1,8,7]] - f(n) = 24 + 5 = 29$
 $[[5,2,4][3,0,6][1,8,7]] - \text{Already visited Node!}$
 $[[5,2,4][1,3,6][0,8,7]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,2,8][3,5,6][4,0,1]]$

Generated Nodes :

$[[7,2,8][3,0,6][4,5,1]] - f(n) = 24 + 6 = 30$
 $[[7,2,8][3,5,6][4,1,0]] - \text{Already visited Node!}$
 $[[7,2,8][3,5,6][0,4,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[4,2,8][7,5,6][3,0,1]]$

Generated Nodes :

$[[4,2,8][7,0,6][3,5,1]] - f(n) = 24 + 6 = 30$
 $[[4,2,8][7,5,6][3,1,0]] - \text{Already visited Node!}$
 $[[4,2,8][7,5,6][0,3,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 26 - $[[1,2,4][8,5,6][7,0,3]]$

Generated Nodes :

$[[1,2,4][8,0,6][7,5,3]] - f(n) = 26 + 4 = 30$
 $[[1,2,4][8,5,6][7,3,0]] - \text{Already visited Node!}$
 $[[1,2,4][8,5,6][0,7,3]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[1,2,4][8,5,6][7,0,3]]$

Generated Nodes :

$[[1,2,4][8,0,6][7,5,3]] - f(n) = 26 + 4 = 30$
 $[[1,2,4][8,5,6][7,3,0]] - \text{Already visited Node!}$
 $[[1,2,4][8,5,6][0,7,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,1][6,5,0][4,8,3]]$

Generated Nodes :

$[[7,2,0][6,5,1][4,8,3]] - \text{Already visited Node!}$
 $[[7,2,1][6,0,5][4,8,3]] - f(n) = 24 + 6 = 30$
 $[[7,2,1][6,5,3][4,8,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,0,2][4,3,6][7,1,8]]$

Generated Nodes :

$[[5,2,0][4,3,6][7,1,8]] - f(n) = 24 + 4 = 28$
 $[[0,5,2][4,3,6][7,1,8]] - f(n) = 24 + 5 = 29$
 $[[5,3,2][4,0,6][7,1,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 – [[5,3,2][4,1,6][7,0,8]]

Generated Nodes :

[[5,3,2][4,0,6][7,1,8]] – Already visited Node!
[[5,3,2][4,1,6][7,8,0]] – $f(n) = 24 + 4 = 28$
[[5,3,2][4,1,6][0,7,8]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[0,4,2][5,6,1][7,8,3]]

Generated Nodes :

[[4,0,2][5,6,1][7,8,3]] – $f(n) = 23 + 6 = 29$
[[5,4,2][0,6,1][7,8,3]] – Already visited Node!

Node Chosen for Level 23 – [[5,4,2][6,0,1][7,8,3]]

Generated Nodes :

[[5,0,2][6,4,1][7,8,3]] – $f(n) = 23 + 6 = 29$
[[5,4,2][6,1,0][7,8,3]] – $f(n) = 23 + 6 = 29$
[[5,4,2][0,6,1][7,8,3]] – Already visited Node!
[[5,4,2][6,8,1][7,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,2,0][3,5,7][1,4,6]]

Generated Nodes :

[[8,0,2][3,5,7][1,4,6]] – $f(n) = 23 + 7 = 30$
[[8,2,7][3,5,0][1,4,6]] – Already visited Node!

Node Chosen for Level 23 – [[4,1,5][3,0,2][7,8,6]]

Generated Nodes :

[[4,0,5][3,1,2][7,8,6]] – $f(n) = 23 + 6 = 29$
[[4,1,5][3,2,0][7,8,6]] – $f(n) = 23 + 6 = 29$
[[4,1,5][0,3,2][7,8,6]] – Already visited Node!
[[4,1,5][3,8,2][7,0,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,2,0][1,5,7][3,6,4]]

Generated Nodes :

[[8,0,2][1,5,7][3,6,4]] – $f(n) = 23 + 7 = 30$
[[8,2,7][1,5,0][3,6,4]] – Already visited Node!

Node Chosen for Level 23 – [[8,2,7][1,5,4][3,6,0]]

Generated Nodes :

[[8,2,7][1,5,0][3,6,4]] – Already visited Node!

$[[8,2,7][1,5,4][3,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,6,2][5,3,1][7,8,4]]$

Generated Nodes :

$[[6,0,2][5,3,1][7,8,4]] - f(n) = 23 + 6 = 29$
 $[[5,6,2][0,3,1][7,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,6,2][3,0,1][7,8,4]]$

Generated Nodes :

$[[5,0,2][3,6,1][7,8,4]] - f(n) = 23 + 6 = 29$
 $[[5,6,2][3,1,0][7,8,4]] - f(n) = 23 + 6 = 29$
 $[[5,6,2][0,3,1][7,8,4]] - \text{Already visited Node!}$
 $[[5,6,2][3,8,1][7,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,1,0][4,5,2][8,3,6]]$

Generated Nodes :

$[[7,0,1][4,5,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,1,2][4,5,0][8,3,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,7,1][4,5,2][8,3,6]]$

Generated Nodes :

$[[7,0,1][4,5,2][8,3,6]] - \text{Already visited Node!}$
 $[[4,7,1][0,5,2][8,3,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,4,1][5,3,2][7,8,6]]$

Generated Nodes :

$[[4,0,1][5,3,2][7,8,6]] - f(n) = 23 + 6 = 29$
 $[[5,4,1][0,3,2][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,4,1][3,0,2][7,8,6]]$

Generated Nodes :

$[[5,0,1][3,4,2][7,8,6]] - \text{Already visited Node!}$
 $[[5,4,1][3,2,0][7,8,6]] - f(n) = 23 + 6 = 29$
 $[[5,4,1][0,3,2][7,8,6]] - \text{Already visited Node!}$
 $[[5,4,1][3,8,2][7,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,3][7,0,1][8,6,4]]$

Generated Nodes :

$[[5,0,3][7,2,1][8,6,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,3][7,1,0][8,6,4]] - \text{Already visited Node!}$
 $[[5,2,3][0,7,1][8,6,4]] - f(n) = 23 + 6 = 29$
 $[[5,2,3][7,6,1][8,0,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,2,3][7,1,4][8,6,0]]$

Generated Nodes :

$[[5,2,3][7,1,0][8,6,4]] - \text{Already visited Node!}$
 $[[5,2,3][7,1,4][8,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[0,1,2][5,6,3][7,8,4]]$

Generated Nodes :

$[[1,0,2][5,6,3][7,8,4]] - f(n) = 23 + 5 = 28$
 $[[5,1,2][0,6,3][7,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,1,2][6,0,3][7,8,4]]$

Generated Nodes :

$[[5,0,2][6,1,3][7,8,4]] - f(n) = 23 + 6 = 29$
 $[[5,1,2][6,3,0][7,8,4]] - f(n) = 23 + 6 = 29$
 $[[5,1,2][0,6,3][7,8,4]] - \text{Already visited Node!}$
 $[[5,1,2][6,8,3][7,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,3][7,0,1][8,6,4]]$

Generated Nodes :

$[[5,0,3][7,2,1][8,6,4]] - f(n) = 23 + 7 = 30$
 $[[5,2,3][7,1,0][8,6,4]] - \text{Already visited Node!}$
 $[[5,2,3][0,7,1][8,6,4]] - f(n) = 23 + 6 = 29$
 $[[5,2,3][7,6,1][8,0,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,2,3][7,1,4][8,6,0]]$

Generated Nodes :

$[[5,2,3][7,1,0][8,6,4]] - \text{Already visited Node!}$
 $[[5,2,3][7,1,4][8,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - $[[1,5,8][4,2,0][7,3,6]]$

Generated Nodes :

$[[1,5,0][4,2,8][7,3,6]] - f(n) = 24 + 5 = 29$
 $[[1,5,8][4,0,2][7,3,6]] - \text{Already visited Node!}$
 $[[1,5,8][4,2,6][7,3,0]] - f(n) = 24 + 4 = 28$

Node Chosen for Level 24 – [[1,5,8][4,3,2][7,0,6]]

Generated Nodes :

[[1,5,8][4,0,2][7,3,6]] – Already visited Node!
[[1,5,8][4,3,2][7,6,0]] – $f(n) = 24 + 5 = 29$
[[1,5,8][4,3,2][0,7,6]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[1,2,8][7,5,0][3,6,4]]

Generated Nodes :

[[1,2,0][7,5,8][3,6,4]] – Already visited Node!
[[1,2,8][7,0,5][3,6,4]] – $f(n) = 24 + 6 = 30$
[[1,2,8][7,5,4][3,6,0]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 – [[3,2,0][4,5,7][1,8,6]]

Generated Nodes :

[[3,0,2][4,5,7][1,8,6]] – $f(n) = 25 + 5 = 30$
[[3,2,7][4,5,0][1,8,6]] – Already visited Node!

Node Chosen for Level 25 – [[1,2,0][4,5,7][8,3,6]]

Generated Nodes :

[[1,0,2][4,5,7][8,3,6]] – $f(n) = 25 + 5 = 30$
[[1,2,7][4,5,0][8,3,6]] – Already visited Node!

Node Chosen for Level 26 – [[3,0,2][4,5,6][7,8,1]]

Generated Nodes :

[[3,2,0][4,5,6][7,8,1]] – $f(n) = 26 + 2 = 28$
[[0,3,2][4,5,6][7,8,1]] – Already visited Node!
[[3,5,2][4,0,6][7,8,1]] – $f(n) = 26 + 4 = 30$

Node Chosen for Level 24 – [[8,0,5][4,2,6][7,3,1]]

Generated Nodes :

[[8,5,0][4,2,6][7,3,1]] – $f(n) = 24 + 5 = 29$
[[0,8,5][4,2,6][7,3,1]] – Already visited Node!
[[8,2,5][4,0,6][7,3,1]] – $f(n) = 24 + 4 = 28$

Node Chosen for Level 25 – [[0,7,3][4,5,2][1,8,6]]

Generated Nodes :

[[7,0,3][4,5,2][1,8,6]] – Already visited Node!
[[4,7,3][0,5,2][1,8,6]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 – [[1,7,4][2,5,6][8,0,3]]

Generated Nodes :

[[1,7,4][2,0,6][8,5,3]] – Already visited Node!
[[1,7,4][2,5,6][8,3,0]] – Already visited Node!
[[1,7,4][2,5,6][0,8,3]] – $f(n) = 24 + 4 = 28$

Node Chosen for Level 25 – [[4,2,5][3,0,6][7,8,1]]

Generated Nodes :

[[4,0,5][3,2,6][7,8,1]] – $f(n) = 25 + 5 = 30$
[[4,2,5][3,6,0][7,8,1]] – $f(n) = 25 + 5 = 30$
[[4,2,5][0,3,6][7,8,1]] – Already visited Node!
[[4,2,5][3,8,6][7,0,1]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[0,2,1][5,3,6][7,8,4]]

Generated Nodes :

[[2,0,1][5,3,6][7,8,4]] – $f(n) = 25 + 5 = 30$
[[5,2,1][0,3,6][7,8,4]] – Already visited Node!

Node Chosen for Level 25 – [[5,2,1][3,0,6][7,8,4]]

Generated Nodes :

[[5,0,1][3,2,6][7,8,4]] – $f(n) = 25 + 5 = 30$
[[5,2,1][3,6,0][7,8,4]] – $f(n) = 25 + 5 = 30$
[[5,2,1][0,3,6][7,8,4]] – Already visited Node!
[[5,2,1][3,8,6][7,0,4]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 – [[8,2,7][3,5,6][1,0,4]]

Generated Nodes :

[[8,2,7][3,0,6][1,5,4]] – $f(n) = 24 + 6 = 30$
[[8,2,7][3,5,6][1,4,0]] – Already visited Node!
[[8,2,7][3,5,6][0,1,4]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 – [[1,8,0][4,5,2][7,3,6]]

Generated Nodes :

[[1,0,8][4,5,2][7,3,6]] – Already visited Node!
[[1,8,2][4,5,0][7,3,6]] – $f(n) = 25 + 4 = 29$

Node Chosen for Level 26 – [[1,2,7][4,5,6][8,0,3]]

Generated Nodes :

[[1,2,7][4,0,6][8,5,3]] - $f(n) = 26 + 4 = 30$
[[1,2,7][4,5,6][8,3,0]] - Already visited Node!
[[1,2,7][4,5,6][0,8,3]] - $f(n) = 26 + 2 = 28$

Node Chosen for Level 25 - [[7,2,3][6,5,4][1,8,0]]

Generated Nodes :

[[7,2,3][6,5,0][1,8,4]] - Already visited Node!
[[7,2,3][6,5,4][1,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,5,0][4,3,2][7,8,6]]

Generated Nodes :

[[1,0,5][4,3,2][7,8,6]] - Already visited Node!
[[1,5,2][4,3,0][7,8,6]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - [[1,3,5][4,0,2][7,8,6]]

Generated Nodes :

[[1,0,5][4,3,2][7,8,6]] - Already visited Node!
[[1,3,5][4,2,0][7,8,6]] - $f(n) = 25 + 4 = 29$
[[1,3,5][0,4,2][7,8,6]] - $f(n) = 25 + 5 = 30$
[[1,3,5][4,8,2][7,0,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 23 - [[7,2,6][3,4,5][1,8,0]]

Generated Nodes :

[[7,2,6][3,4,0][1,8,5]] - $f(n) = 23 + 6 = 29$
[[7,2,6][3,4,5][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][1,4,5][0,8,3]]

Generated Nodes :

[[7,2,6][0,4,5][1,8,3]] - $f(n) = 23 + 6 = 29$
[[7,2,6][1,4,5][8,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,2][3,5,1][4,6,8]]

Generated Nodes :

[[7,2,0][3,5,1][4,6,8]] - $f(n) = 22 + 6 = 28$
[[0,7,2][3,5,1][4,6,8]] - $f(n) = 22 + 7 = 29$
[[7,5,2][3,0,1][4,6,8]] - Already visited Node!

Node Chosen for Level 22 - [[2,8,6][7,5,0][3,4,1]]

Generated Nodes :

[[2,8,0][7,5,6][3,4,1]] - $f(n) = 22 + 6 = 28$
[[2,8,6][7,0,5][3,4,1]] - Already visited Node!
[[2,8,6][7,5,1][3,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,8,1][7,5,0][3,6,4]]

Generated Nodes :

[[2,8,0][7,5,1][3,6,4]] - $f(n) = 22 + 7 = 29$
[[2,8,1][7,0,5][3,6,4]] - Already visited Node!
[[2,8,1][7,5,4][3,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,1,4][7,5,0][8,3,6]]

Generated Nodes :

[[2,1,0][7,5,4][8,3,6]] - $f(n) = 22 + 7 = 29$
[[2,1,4][7,0,5][8,3,6]] - Already visited Node!
[[2,1,4][7,5,6][8,3,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 23 - [[4,2,0][8,7,6][3,5,1]]

Generated Nodes :

[[4,0,2][8,7,6][3,5,1]] - Already visited Node!
[[4,2,6][8,7,0][3,5,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,2][4,8,6][3,5,1]]

Generated Nodes :

[[7,0,2][4,8,6][3,5,1]] - $f(n) = 23 + 6 = 29$
[[4,7,2][0,8,6][3,5,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][5,1,6][8,3,4]]

Generated Nodes :

[[7,0,2][5,1,6][8,3,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][5,1,0][8,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][5,3,1][0,8,4]]

Generated Nodes :

[[7,2,6][0,3,1][5,8,4]] - $f(n) = 23 + 6 = 29$
[[7,2,6][5,3,1][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][5,4,6][8,3,0]]

Generated Nodes :

[[7,2,1][5,4,0][8,3,6]] - Already visited Node!
[[7,2,1][5,4,6][8,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,1][5,3,4][0,8,6]]

Generated Nodes :

[[7,2,1][0,3,4][5,8,6]] - $f(n) = 23 + 6 = 29$
[[7,2,1][5,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,7][2,5,0][3,1,6]]

Generated Nodes :

[[4,8,0][2,5,7][3,1,6]] - $f(n) = 22 + 7 = 29$
[[4,8,7][2,0,5][3,1,6]] - Already visited Node!
[[4,8,7][2,5,6][3,1,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,0,6][8,5,4][3,2,1]]

Generated Nodes :

[[7,6,0][8,5,4][3,2,1]] - $f(n) = 22 + 7 = 29$
[[0,7,6][8,5,4][3,2,1]] - $f(n) = 22 + 7 = 29$
[[7,5,6][8,0,4][3,2,1]] - Already visited Node!

Node Chosen for Level 22 - [[2,7,4][0,5,1][8,3,6]]

Generated Nodes :

[[0,7,4][2,5,1][8,3,6]] - $f(n) = 22 + 7 = 29$
[[2,7,4][5,0,1][8,3,6]] - Already visited Node!
[[2,7,4][8,5,1][0,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[1,2,0][8,7,5][3,6,4]]

Generated Nodes :

[[1,0,2][8,7,5][3,6,4]] - Already visited Node!
[[1,2,5][8,7,0][3,6,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,8][3,4,6][1,5,0]]

Generated Nodes :

[[7,2,8][3,4,0][1,5,6]] - Already visited Node!
[[7,2,8][3,4,6][1,0,5]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[3,2,0][5,7,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] - Already visited Node!
[[3,2,6][5,7,0][1,4,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[7,0,2][3,5,4][6,1,8]]

Generated Nodes :

[[7,2,0][3,5,4][6,1,8]] - $f(n) = 22 + 6 = 28$
[[0,7,2][3,5,4][6,1,8]] - $f(n) = 22 + 7 = 29$
[[7,5,2][3,0,4][6,1,8]] - Already visited Node!

Node Chosen for Level 23 - [[3,2,0][5,7,1][6,8,4]]

Generated Nodes :

[[3,0,2][5,7,1][6,8,4]] - Already visited Node!
[[3,2,1][5,7,0][6,8,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[4,0,2][8,5,6][7,3,1]]

Generated Nodes :

[[4,2,0][8,5,6][7,3,1]] - $f(n) = 24 + 4 = 28$
[[0,4,2][8,5,6][7,3,1]] - Already visited Node!
[[4,5,2][8,0,6][7,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][1,3,4][5,8,6]]

Generated Nodes :

[[7,0,2][1,3,4][5,8,6]] - Already visited Node!
[[7,2,4][1,3,0][5,8,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,8,2][4,0,6][1,7,3]]

Generated Nodes :

[[5,0,2][4,8,6][1,7,3]] - $f(n) = 23 + 6 = 29$
[[5,8,2][4,6,0][1,7,3]] - $f(n) = 23 + 7 = 30$
[[5,8,2][0,4,6][1,7,3]] - Already visited Node!
[[5,8,2][4,7,6][1,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,1][6,3,5][0,8,4]]

Generated Nodes :

[[7,2,1][0,3,5][6,8,4]] - Already visited Node!
[[7,2,1][6,3,5][8,0,4]] - Already visited Node!

Node Chosen for Level 24 - [[2,3,4][0,5,1][7,8,6]]

Generated Nodes :

$[[0,3,4][2,5,1][7,8,6]] - f(n) = 24 + 5 = 29$
 $[[2,3,4][5,0,1][7,8,6]] - \text{Already visited Node!}$
 $[[2,3,4][7,5,1][0,8,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[1,5,2][7,0,4][3,8,6]]$

Generated Nodes :

$[[1,0,2][7,5,4][3,8,6]] - f(n) = 23 + 5 = 28$
 $[[1,5,2][7,4,0][3,8,6]] - f(n) = 23 + 6 = 29$
 $[[1,5,2][0,7,4][3,8,6]] - f(n) = 23 + 6 = 29$
 $[[1,5,2][7,8,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,2,6][0,5,4][7,3,1]]$

Generated Nodes :

$[[0,2,6][8,5,4][7,3,1]] - f(n) = 24 + 5 = 29$
 $[[8,2,6][5,0,4][7,3,1]] - \text{Already visited Node!}$
 $[[8,2,6][7,5,4][0,3,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,2,4][0,5,6][1,7,8]]$

Generated Nodes :

$[[0,2,4][3,5,6][1,7,8]] - f(n) = 24 + 5 = 29$
 $[[3,2,4][5,0,6][1,7,8]] - \text{Already visited Node!}$
 $[[3,2,4][1,5,6][0,7,8]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,0,2][4,5,1][3,8,6]]$

Generated Nodes :

$[[7,2,0][4,5,1][3,8,6]] - f(n) = 24 + 4 = 28$
 $[[0,7,2][4,5,1][3,8,6]] - f(n) = 24 + 5 = 29$
 $[[7,5,2][4,0,1][3,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,2,0][5,7,3][8,6,4]]$

Generated Nodes :

$[[1,0,2][5,7,3][8,6,4]] - \text{Already visited Node!}$
 $[[1,2,3][5,7,0][8,6,4]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - $[[1,7,2][5,6,3][0,8,4]]$

Generated Nodes :

$[[1,7,2][0,6,3][5,8,4]] - f(n) = 23 + 6 = 29$

[[1,7,2][5,6,3][8,0,4]] - Already visited Node!

Node Chosen for Level 25 - [[3,2,0][1,5,4][7,8,6]]

Generated Nodes :

[[3,0,2][1,5,4][7,8,6]] - Already visited Node!

[[3,2,4][1,5,0][7,8,6]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 26 - [[1,2,4][0,5,6][7,3,8]]

Generated Nodes :

[[0,2,4][1,5,6][7,3,8]] - $f(n) = 26 + 4 = 30$

[[1,2,4][5,0,6][7,3,8]] - Already visited Node!

[[1,2,4][7,5,6][0,3,8]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 26 - [[1,2,6][0,5,4][7,8,3]]

Generated Nodes :

[[0,2,6][1,5,4][7,8,3]] - $f(n) = 26 + 4 = 30$

[[1,2,6][5,0,4][7,8,3]] - Already visited Node!

[[1,2,6][7,5,4][0,8,3]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 25 - [[7,2,3][4,1,5][0,8,6]]

Generated Nodes :

[[7,2,3][0,1,5][4,8,6]] - $f(n) = 25 + 5 = 30$

[[7,2,3][4,1,5][8,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,3,2][0,7,4][8,5,6]]

Generated Nodes :

[[0,3,2][1,7,4][8,5,6]] - Already visited Node!

[[1,3,2][7,0,4][8,5,6]] - $f(n) = 22 + 7 = 29$

[[1,3,2][8,7,4][0,5,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[7,2,4][1,6,3][0,8,5]]

Generated Nodes :

[[7,2,4][0,6,3][1,8,5]] - $f(n) = 23 + 6 = 29$

[[7,2,4][1,6,3][8,0,5]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,5][7,3,6][1,8,0]]

Generated Nodes :

[[2,4,5][7,3,0][1,8,6]] - Already visited Node!

$[[2,4,5][7,3,6][1,0,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,5][8,0,6][4,3,1]]$

Generated Nodes :

$[[7,0,5][8,2,6][4,3,1]]$ - Already visited Node!
 $[[7,2,5][8,6,0][4,3,1]]$ - $f(n) = 23 + 7 = 30$
 $[[7,2,5][0,8,6][4,3,1]]$ - $f(n) = 23 + 6 = 29$
 $[[7,2,5][8,3,6][4,0,1]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,2,4][7,6,3][0,8,1]]$

Generated Nodes :

$[[5,2,4][0,6,3][7,8,1]]$ - $f(n) = 23 + 5 = 28$
 $[[5,2,4][7,6,3][8,0,1]]$ - Already visited Node!

Node Chosen for Level 23 - $[[2,4,8][5,1,6][7,3,0]]$

Generated Nodes :

$[[2,4,8][5,1,0][7,3,6]]$ - Already visited Node!
 $[[2,4,8][5,1,6][7,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[2,1,4][5,8,6][7,3,0]]$

Generated Nodes :

$[[2,1,4][5,8,0][7,3,6]]$ - Already visited Node!
 $[[2,1,4][5,8,6][7,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,4,8][1,2,6][7,3,0]]$

Generated Nodes :

$[[5,4,8][1,2,0][7,3,6]]$ - Already visited Node!
 $[[5,4,8][1,2,6][7,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[3,2,0][5,7,6][1,4,8]]$

Generated Nodes :

$[[3,0,2][5,7,6][1,4,8]]$ - Already visited Node!
 $[[3,2,6][5,7,0][1,4,8]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,7,2][4,0,6][5,1,8]]$

Generated Nodes :

$[[3,0,2][4,7,6][5,1,8]]$ - $f(n) = 23 + 6 = 29$
 $[[3,7,2][4,6,0][5,1,8]]$ - $f(n) = 23 + 7 = 30$

[[3,7,2][0,4,6][5,1,8]] - Already visited Node!
[[3,7,2][4,1,6][5,0,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,0][7,6,1][4,8,3]]

Generated Nodes :

[[5,0,2][7,6,1][4,8,3]] - Already visited Node!
[[5,2,1][7,6,0][4,8,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[8,7,6][2,5,0][3,4,1]]

Generated Nodes :

[[8,7,0][2,5,6][3,4,1]] - $f(n) = 22 + 6 = 28$
[[8,7,6][2,0,5][3,4,1]] - Already visited Node!
[[8,7,6][2,5,1][3,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,6,7][0,5,2][3,4,1]]

Generated Nodes :

[[0,6,7][8,5,2][3,4,1]] - $f(n) = 22 + 7 = 29$
[[8,6,7][5,0,2][3,4,1]] - Already visited Node!
[[8,6,7][3,5,2][0,4,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,1][2,5,0][3,6,4]]

Generated Nodes :

[[8,7,0][2,5,1][3,6,4]] - $f(n) = 22 + 7 = 29$
[[8,7,1][2,0,5][3,6,4]] - Already visited Node!
[[8,7,1][2,5,4][3,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[7,2,6][3,0,1][5,8,4]]

Generated Nodes :

[[7,0,6][3,2,1][5,8,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][3,1,0][5,8,4]] - $f(n) = 23 + 6 = 29$
[[7,2,6][0,3,1][5,8,4]] - $f(n) = 23 + 6 = 29$
[[7,2,6][3,8,1][5,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[2,4,8][0,5,7][3,1,6]]

Generated Nodes :

[[0,4,8][2,5,7][3,1,6]] - $f(n) = 22 + 7 = 29$
[[2,4,8][5,0,7][3,1,6]] - Already visited Node!
[[2,4,8][3,5,7][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,3][7,8,2][1,6,4]]

Generated Nodes :

[[5,3,0][7,8,2][1,6,4]] - Already visited Node!
[[0,5,3][7,8,2][1,6,4]] - $f(n) = 22 + 7 = 29$
[[5,8,3][7,0,2][1,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[3,8,2][4,7,6][0,5,1]]

Generated Nodes :

[[3,8,2][0,7,6][4,5,1]] - Already visited Node!
[[3,8,2][4,7,6][5,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][8,3,6][4,5,1]]

Generated Nodes :

[[7,0,2][8,3,6][4,5,1]] - Already visited Node!
[[7,2,6][8,3,0][4,5,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,2,1][3,0,4][5,8,6]]

Generated Nodes :

[[7,0,1][3,2,4][5,8,6]] - $f(n) = 23 + 7 = 30$
[[7,2,1][3,4,0][5,8,6]] - $f(n) = 23 + 6 = 29$
[[7,2,1][0,3,4][5,8,6]] - $f(n) = 23 + 6 = 29$
[[7,2,1][3,8,4][5,0,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,8,5][0,7,2][4,3,6]]

Generated Nodes :

[[0,8,5][1,7,2][4,3,6]] - Already visited Node!
[[1,8,5][7,0,2][4,3,6]] - $f(n) = 22 + 7 = 29$
[[1,8,5][4,7,2][0,3,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,6,4][8,5,0][3,2,1]]

Generated Nodes :

[[7,6,0][8,5,4][3,2,1]] - $f(n) = 22 + 7 = 29$
[[7,6,4][8,0,5][3,2,1]] - Already visited Node!
[[7,6,4][8,5,1][3,2,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,4][2,5,1][8,3,6]]

Generated Nodes :

[[7,4,0][2,5,1][8,3,6]] - $f(n) = 22 + 7 = 29$
[[0,7,4][2,5,1][8,3,6]] - $f(n) = 22 + 7 = 29$

[[7,5,4][2,0,1][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[1,7,5][0,6,2][8,4,3]]

Generated Nodes :

[[0,7,5][1,6,2][8,4,3]] - Already visited Node!

[[1,7,5][6,0,2][8,4,3]] - $f(n) = 22 + 7 = 29$

[[1,7,5][8,6,2][0,4,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 24 - [[8,0,4][2,5,6][7,3,1]]

Generated Nodes :

[[8,4,0][2,5,6][7,3,1]] - $f(n) = 24 + 5 = 29$

[[0,8,4][2,5,6][7,3,1]] - Already visited Node!

[[8,5,4][2,0,6][7,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,8][3,0,6][1,4,5]]

Generated Nodes :

[[7,0,8][3,2,6][1,4,5]] - $f(n) = 23 + 7 = 30$

[[7,2,8][3,6,0][1,4,5]] - Already visited Node!

[[7,2,8][0,3,6][1,4,5]] - $f(n) = 23 + 6 = 29$

[[7,2,8][3,4,6][1,0,5]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - [[8,1,7][0,5,2][3,6,4]]

Generated Nodes :

[[0,1,7][8,5,2][3,6,4]] - $f(n) = 22 + 7 = 29$

[[8,1,7][5,0,2][3,6,4]] - Already visited Node!

[[8,1,7][3,5,2][0,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[7,3,5][4,2,6][8,1,0]]

Generated Nodes :

[[7,3,5][4,2,0][8,1,6]] - Already visited Node!

[[7,3,5][4,2,6][8,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,3,5][4,1,2][0,8,6]]

Generated Nodes :

[[7,3,5][0,1,2][4,8,6]] - $f(n) = 23 + 7 = 30$

[[7,3,5][4,1,2][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][4,6,2][0,8,1]]

Generated Nodes :

[[3,7,5][0,6,2][4,8,1]] - Already visited Node!
[[3,7,5][4,6,2][8,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][7,3,6][8,1,4]]

Generated Nodes :

[[5,0,2][7,3,6][8,1,4]] - $f(n) = 23 + 7 = 30$
[[5,2,6][7,3,0][8,1,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][3,8,6][4,1,5]]

Generated Nodes :

[[7,0,2][3,8,6][4,1,5]] - $f(n) = 23 + 7 = 30$
[[7,2,6][3,8,0][4,1,5]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,4][3,5,8][1,2,6]]

Generated Nodes :

[[7,4,0][3,5,8][1,2,6]] - $f(n) = 22 + 7 = 29$
[[0,7,4][3,5,8][1,2,6]] - $f(n) = 22 + 7 = 29$
[[7,5,4][3,0,8][1,2,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][8,4,6][5,3,1]]

Generated Nodes :

[[7,0,2][8,4,6][5,3,1]] - Already visited Node!
[[7,2,6][8,4,0][5,3,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,3,7][4,0,2][1,8,6]]

Generated Nodes :

[[5,0,7][4,3,2][1,8,6]] - $f(n) = 23 + 6 = 29$
[[5,3,7][4,2,0][1,8,6]] - $f(n) = 23 + 6 = 29$
[[5,3,7][0,4,2][1,8,6]] - Already visited Node!
[[5,3,7][4,8,2][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,4,7][5,2,6][1,8,0]]

Generated Nodes :

[[3,4,7][5,2,0][1,8,6]] - Already visited Node!
[[3,4,7][5,2,6][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,2,4][1,6,3][0,8,5]]

Generated Nodes :

[[7,2,4][0,6,3][1,8,5]] - $f(n) = 23 + 6 = 29$
[[7,2,4][1,6,3][8,0,5]] - Already visited Node!

Node Chosen for Level 23 - [[1,4,7][5,2,6][8,3,0]]

Generated Nodes :

[[1,4,7][5,2,0][8,3,6]] - Already visited Node!
[[1,4,7][5,2,6][8,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,4,7][5,3,2][0,8,6]]

Generated Nodes :

[[1,4,7][0,3,2][5,8,6]] - $f(n) = 23 + 6 = 29$
[[1,4,7][5,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,2,0][5,7,3][8,6,4]]

Generated Nodes :

[[1,0,2][5,7,3][8,6,4]] - Already visited Node!
[[1,2,3][5,7,0][8,6,4]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,7,2][5,6,3][0,8,4]]

Generated Nodes :

[[1,7,2][0,6,3][5,8,4]] - $f(n) = 23 + 6 = 29$
[[1,7,2][5,6,3][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,6,5][4,2,1][0,8,3]]

Generated Nodes :

[[7,6,5][0,2,1][4,8,3]] - $f(n) = 23 + 7 = 30$
[[7,6,5][4,2,1][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][7,1,6][3,8,0]]

Generated Nodes :

[[5,4,2][7,1,0][3,8,6]] - $f(n) = 23 + 7 = 30$
[[5,4,2][7,1,6][3,0,8]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,2][3,5,7][1,4,6]]

Generated Nodes :

[[8,2,0][3,5,7][1,4,6]] - Already visited Node!
[[0,8,2][3,5,7][1,4,6]] - $f(n) = 22 + 7 = 29$

[[8,5,2][3,0,7][1,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,4,7][3,5,0][1,6,2]]

Generated Nodes :

[[8,4,0][3,5,7][1,6,2]] - $f(n) = 22 + 7 = 29$
[[8,4,7][3,0,5][1,6,2]] - Already visited Node!
[[8,4,7][3,5,2][1,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,4][3,5,0][1,2,6]]

Generated Nodes :

[[8,7,0][3,5,4][1,2,6]] - $f(n) = 22 + 7 = 29$
[[8,7,4][3,0,5][1,2,6]] - Already visited Node!
[[8,7,4][3,5,6][1,2,0]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[4,5,2][0,1,8][7,3,6]]

Generated Nodes :

[[0,5,2][4,1,8][7,3,6]] - $f(n) = 22 + 6 = 28$
[[4,5,2][1,0,8][7,3,6]] - $f(n) = 22 + 7 = 29$
[[4,5,2][7,1,8][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,8,4][3,5,0][1,6,2]]

Generated Nodes :

[[7,8,0][3,5,4][1,6,2]] - $f(n) = 22 + 7 = 29$
[[7,8,4][3,0,5][1,6,2]] - Already visited Node!
[[7,8,4][3,5,2][1,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,4][1,5,0][3,6,2]]

Generated Nodes :

[[8,7,0][1,5,4][3,6,2]] - $f(n) = 22 + 7 = 29$
[[8,7,4][1,0,5][3,6,2]] - Already visited Node!
[[8,7,4][1,5,2][3,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,0,4][7,8,5][3,6,2]]

Generated Nodes :

[[1,4,0][7,8,5][3,6,2]] - $f(n) = 22 + 7 = 29$
[[0,1,4][7,8,5][3,6,2]] - Already visited Node!
[[1,8,4][7,0,5][3,6,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,1][8,5,4][3,6,2]]

Generated Nodes :

[[7,1,0][8,5,4][3,6,2]] - Already visited Node!
[[0,7,1][8,5,4][3,6,2]] - $f(n) = 22 + 7 = 29$
[[7,5,1][8,0,4][3,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[4,0,2][7,5,1][8,3,6]]

Generated Nodes :

[[4,2,0][7,5,1][8,3,6]] - $f(n) = 22 + 6 = 28$
[[0,4,2][7,5,1][8,3,6]] - $f(n) = 22 + 7 = 29$
[[4,5,2][7,0,1][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,8][3,5,2][1,4,6]]

Generated Nodes :

[[7,8,0][3,5,2][1,4,6]] - $f(n) = 22 + 7 = 29$
[[0,7,8][3,5,2][1,4,6]] - $f(n) = 22 + 7 = 29$
[[7,5,8][3,0,2][1,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,4,7][0,5,2][3,1,6]]

Generated Nodes :

[[0,4,7][8,5,2][3,1,6]] - $f(n) = 22 + 7 = 29$
[[8,4,7][5,0,2][3,1,6]] - Already visited Node!
[[8,4,7][3,5,2][0,1,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,0,2][8,5,4][1,7,6]]

Generated Nodes :

[[3,2,0][8,5,4][1,7,6]] - $f(n) = 22 + 6 = 28$
[[0,3,2][8,5,4][1,7,6]] - $f(n) = 22 + 7 = 29$
[[3,5,2][8,0,4][1,7,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,5,2][1,8,4][7,0,6]]

Generated Nodes :

[[3,5,2][1,0,4][7,8,6]] - Already visited Node!
[[3,5,2][1,8,4][7,6,0]] - $f(n) = 22 + 7 = 29$
[[3,5,2][1,8,4][0,7,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,3,2][0,5,4][1,7,6]]

Generated Nodes :

[[0,3,2][8,5,4][1,7,6]] - $f(n) = 22 + 7 = 29$
[[8,3,2][5,0,4][1,7,6]] - Already visited Node!

$[[8,3,2][1,5,4][0,7,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,0,8][1,5,2][3,6,4]]$

Generated Nodes :

$[[7,8,0][1,5,2][3,6,4]] - f(n) = 22 + 7 = 29$
 $[[0,7,8][1,5,2][3,6,4]] - f(n) = 22 + 7 = 29$
 $[[7,5,8][1,0,2][3,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[1,0,8][5,7,2][3,6,4]]$

Generated Nodes :

$[[1,8,0][5,7,2][3,6,4]] - f(n) = 22 + 7 = 29$
 $[[0,1,8][5,7,2][3,6,4]] - \text{Already visited Node!}$
 $[[1,7,8][5,0,2][3,6,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,1,8][0,6,2][7,3,4]]$

Generated Nodes :

$[[0,1,8][5,6,2][7,3,4]] - f(n) = 22 + 7 = 29$
 $[[5,1,8][6,0,2][7,3,4]] - f(n) = 22 + 7 = 29$
 $[[5,1,8][7,6,2][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,3][7,8,2][1,6,4]]$

Generated Nodes :

$[[5,3,0][7,8,2][1,6,4]] - \text{Already visited Node!}$
 $[[0,5,3][7,8,2][1,6,4]] - f(n) = 22 + 7 = 29$
 $[[5,8,3][7,0,2][1,6,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,3,2][0,6,8][7,1,4]]$

Generated Nodes :

$[[0,3,2][5,6,8][7,1,4]] - f(n) = 22 + 7 = 29$
 $[[5,3,2][6,0,8][7,1,4]] - f(n) = 22 + 7 = 29$
 $[[5,3,2][7,6,8][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,2][1,5,3][6,4,8]]$

Generated Nodes :

$[[7,2,0][1,5,3][6,4,8]] - f(n) = 22 + 6 = 28$
 $[[0,7,2][1,5,3][6,4,8]] - f(n) = 22 + 7 = 29$
 $[[7,5,2][1,0,3][6,4,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,0,2][1,5,7][3,6,4]]$

Generated Nodes :

[[8,2,0][1,5,7][3,6,4]] - Already visited Node!
[[0,8,2][1,5,7][3,6,4]] - $f(n) = 22 + 7 = 29$
[[8,5,2][1,0,7][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[1,8,7][0,2,5][3,6,4]]

Generated Nodes :

[[0,8,7][1,2,5][3,6,4]] - Already visited Node!
[[1,8,7][2,0,5][3,6,4]] - $f(n) = 22 + 7 = 29$
[[1,8,7][3,2,5][0,6,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,1][2,5,0][3,6,4]]

Generated Nodes :

[[8,7,0][2,5,1][3,6,4]] - $f(n) = 22 + 7 = 29$
[[8,7,1][2,0,5][3,6,4]] - Already visited Node!
[[8,7,1][2,5,4][3,6,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,0,5][7,8,4][3,2,6]]

Generated Nodes :

[[1,5,0][7,8,4][3,2,6]] - $f(n) = 22 + 7 = 29$
[[0,1,5][7,8,4][3,2,6]] - Already visited Node!
[[1,8,5][7,0,4][3,2,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[1,0,5][7,2,4][8,3,6]]

Generated Nodes :

[[1,5,0][7,2,4][8,3,6]] - $f(n) = 22 + 7 = 29$
[[0,1,5][7,2,4][8,3,6]] - Already visited Node!
[[1,2,5][7,0,4][8,3,6]] - $f(n) = 22 + 6 = 28$

Node Chosen for Level 22 - [[7,6,1][8,5,0][3,4,2]]

Generated Nodes :

[[7,6,0][8,5,1][3,4,2]] - $f(n) = 22 + 7 = 29$
[[7,6,1][8,0,5][3,4,2]] - Already visited Node!
[[7,6,1][8,5,2][3,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,2][6,5,4][8,1,3]]

Generated Nodes :

[[7,2,0][6,5,4][8,1,3]] - $f(n) = 22 + 6 = 28$
[[0,7,2][6,5,4][8,1,3]] - $f(n) = 22 + 7 = 29$

[[7,5,2][6,0,4][8,1,3]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,2][6,5,3][8,4,1]]

Generated Nodes :

[[7,2,0][6,5,3][8,4,1]] - $f(n) = 22 + 6 = 28$
[[0,7,2][6,5,3][8,4,1]] - $f(n) = 22 + 7 = 29$
[[7,5,2][6,0,3][8,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[1,0,2][5,8,4][3,7,6]]

Generated Nodes :

[[1,2,0][5,8,4][3,7,6]] - $f(n) = 22 + 6 = 28$
[[0,1,2][5,8,4][3,7,6]] - Already visited Node!
[[1,8,2][5,0,4][3,7,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,2][8,5,3][6,1,4]]

Generated Nodes :

[[7,2,0][8,5,3][6,1,4]] - $f(n) = 22 + 6 = 28$
[[0,7,2][8,5,3][6,1,4]] - $f(n) = 22 + 7 = 29$
[[7,5,2][8,0,3][6,1,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,0][3,8,6][4,7,1]]

Generated Nodes :

[[5,0,2][3,8,6][4,7,1]] - Already visited Node!
[[5,2,6][3,8,0][4,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][8,4,6][3,7,1]]

Generated Nodes :

[[5,0,2][8,4,6][3,7,1]] - Already visited Node!
[[5,2,6][8,4,0][3,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,4][3,6,7][1,8,0]]

Generated Nodes :

[[5,2,4][3,6,0][1,8,7]] - $f(n) = 23 + 6 = 29$
[[5,2,4][3,6,7][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,7,1][6,8,0]]

Generated Nodes :

[[5,2,4][3,7,0][6,8,1]] - $f(n) = 23 + 6 = 29$

[[5,2,4][3,7,1][6,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,3,6][1,8,0]]

Generated Nodes :

[[4,5,2][7,3,0][1,8,6]] - Already visited Node!

[[4,5,2][7,3,6][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,3,5][7,2,6][1,8,0]]

Generated Nodes :

[[4,3,5][7,2,0][1,8,6]] - Already visited Node!

[[4,3,5][7,2,6][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,7,5][4,0,6][8,3,1]]

Generated Nodes :

[[2,0,5][4,7,6][8,3,1]] - $f(n) = 23 + 6 = 29$

[[2,7,5][4,6,0][8,3,1]] - $f(n) = 23 + 7 = 30$

[[2,7,5][0,4,6][8,3,1]] - Already visited Node!

[[2,7,5][4,3,6][8,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,0][3,8,6][4,7,1]]

Generated Nodes :

[[5,0,2][3,8,6][4,7,1]] - Already visited Node!

[[5,2,6][3,8,0][4,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,4][8,1,6][3,7,0]]

Generated Nodes :

[[5,2,4][8,1,0][3,7,6]] - Already visited Node!

[[5,2,4][8,1,6][3,0,7]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,4][7,6,3][0,8,1]]

Generated Nodes :

[[5,2,4][0,6,3][7,8,1]] - $f(n) = 23 + 5 = 28$

[[5,2,4][7,6,3][8,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,8][1,2,6][7,3,0]]

Generated Nodes :

[[5,4,8][1,2,0][7,3,6]] - Already visited Node!

[[5,4,8][1,2,6][7,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[5,2,0][1,8,3][7,6,4]]

Generated Nodes :

[[5,0,2][1,8,3][7,6,4]] – Already visited Node!
[[5,2,3][1,8,0][7,6,4]] – $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 – [[4,5,2][7,3,6][1,8,0]]

Generated Nodes :

[[4,5,2][7,3,0][1,8,6]] – Already visited Node!
[[4,5,2][7,3,6][1,0,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[4,3,5][7,2,6][1,8,0]]

Generated Nodes :

[[4,3,5][7,2,0][1,8,6]] – Already visited Node!
[[4,3,5][7,2,6][1,0,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,2,1][7,0,6][3,4,8]]

Generated Nodes :

[[5,0,1][7,2,6][3,4,8]] – $f(n) = 23 + 7 = 30$
[[5,2,1][7,6,0][3,4,8]] – Already visited Node!
[[5,2,1][0,7,6][3,4,8]] – $f(n) = 23 + 6 = 29$
[[5,2,1][7,4,6][3,0,8]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[1,5,2][7,0,4][3,8,6]]

Generated Nodes :

[[1,0,2][7,5,4][3,8,6]] – $f(n) = 23 + 5 = 28$
[[1,5,2][7,4,0][3,8,6]] – $f(n) = 23 + 6 = 29$
[[1,5,2][0,7,4][3,8,6]] – $f(n) = 23 + 6 = 29$
[[1,5,2][7,8,4][3,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[1,2,8][7,0,5][3,6,4]]

Generated Nodes :

[[1,0,8][7,2,5][3,6,4]] – Already visited Node!
[[1,2,8][7,5,0][3,6,4]] – Already visited Node!
[[1,2,8][0,7,5][3,6,4]] – $f(n) = 23 + 6 = 29$
[[1,2,8][7,6,5][3,0,4]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[1,8,5][7,0,6][3,4,2]]

Generated Nodes :

[[1,0,5][7,8,6][3,4,2]] - Already visited Node!
[[1,8,5][7,6,0][3,4,2]] - Already visited Node!
[[1,8,5][0,7,6][3,4,2]] - $f(n) = 23 + 6 = 29$
[[1,8,5][7,4,6][3,0,2]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,7,5][8,2,6][3,4,0]]

Generated Nodes :

[[1,7,5][8,2,0][3,4,6]] - Already visited Node!
[[1,7,5][8,2,6][3,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[3,0,2][4,5,7][1,8,6]]

Generated Nodes :

[[3,2,0][4,5,7][1,8,6]] - Already visited Node!
[[0,3,2][4,5,7][1,8,6]] - $f(n) = 24 + 5 = 29$
[[3,5,2][4,0,7][1,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,5,2][0,8,6][7,4,3]]

Generated Nodes :

[[0,5,2][1,8,6][7,4,3]] - Already visited Node!
[[1,5,2][8,0,6][7,4,3]] - $f(n) = 24 + 5 = 29$
[[1,5,2][7,8,6][0,4,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,2][4,5,7][8,3,6]]

Generated Nodes :

[[1,2,0][4,5,7][8,3,6]] - Already visited Node!
[[0,1,2][4,5,7][8,3,6]] - $f(n) = 24 + 6 = 30$
[[1,5,2][4,0,7][8,3,6]] - Already visited Node!

Node Chosen for Level 25 - [[3,5,2][4,0,6][7,8,1]]

Generated Nodes :

[[3,0,2][4,5,6][7,8,1]] - Already visited Node!
[[3,5,2][4,6,0][7,8,1]] - $f(n) = 25 + 5 = 30$
[[3,5,2][0,4,6][7,8,1]] - Already visited Node!
[[3,5,2][4,8,6][7,0,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 23 - [[7,2,5][4,0,8][3,1,6]]

Generated Nodes :

[[7,0,5][4,2,8][3,1,6]] - Already visited Node!
[[7,2,5][4,8,0][3,1,6]] - $f(n) = 23 + 6 = 29$

$[[7,2,5][0,4,8][3,1,6]] - f(n) = 23 + 7 = 30$
 $[[7,2,5][4,1,8][3,0,6]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,2,0][3,8,6][1,4,7]]$

Generated Nodes :

$[[5,0,2][3,8,6][1,4,7]] - \text{Already visited Node!}$
 $[[5,2,6][3,8,0][1,4,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,8,2][4,0,6][3,1,7]]$

Generated Nodes :

$[[5,0,2][4,8,6][3,1,7]] - f(n) = 23 + 6 = 29$
 $[[5,8,2][4,6,0][3,1,7]] - f(n) = 23 + 7 = 30$
 $[[5,8,2][0,4,6][3,1,7]] - \text{Already visited Node!}$
 $[[5,8,2][4,1,6][3,0,7]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[7,1,5][3,0,6][4,8,2]]$

Generated Nodes :

$[[7,0,5][3,1,6][4,8,2]] - f(n) = 23 + 6 = 29$
 $[[7,1,5][3,6,0][4,8,2]] - f(n) = 23 + 7 = 30$
 $[[7,1,5][0,3,6][4,8,2]] - f(n) = 23 + 6 = 29$
 $[[7,1,5][3,8,6][4,0,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,1,5][4,0,6][8,3,2]]$

Generated Nodes :

$[[7,0,5][4,1,6][8,3,2]] - f(n) = 23 + 6 = 29$
 $[[7,1,5][4,6,0][8,3,2]] - f(n) = 23 + 7 = 30$
 $[[7,1,5][0,4,6][8,3,2]] - \text{Already visited Node!}$
 $[[7,1,5][4,3,6][8,0,2]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,2,1][7,6,4][0,8,3]]$

Generated Nodes :

$[[5,2,1][0,6,4][7,8,3]] - f(n) = 23 + 5 = 28$
 $[[5,2,1][7,6,4][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,0][7,6,3][1,8,4]]$

Generated Nodes :

$[[5,0,2][7,6,3][1,8,4]] - \text{Already visited Node!}$
 $[[5,2,3][7,6,0][1,8,4]] - f(n) = 23 + 5 = 28$

Node Chosen for Level 25 - $[[7,2,1][4,5,3][0,8,6]]$

Generated Nodes :

[[7,2,1][0,5,3][4,8,6]] - $f(n) = 25 + 5 = 30$
[[7,2,1][4,5,3][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,4][2,3,5][0,8,6]]

Generated Nodes :

[[1,7,4][0,3,5][2,8,6]] - $f(n) = 23 + 6 = 29$
[[1,7,4][2,3,5][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,2][4,5,8][0,1,6]]

Generated Nodes :

[[3,7,2][0,5,8][4,1,6]] - Already visited Node!
[[3,7,2][4,5,8][1,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[3,2,0][5,8,4][7,1,6]]

Generated Nodes :

[[3,0,2][5,8,4][7,1,6]] - Already visited Node!
[[3,2,4][5,8,0][7,1,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,3,2][8,4,6][7,1,0]]

Generated Nodes :

[[5,3,2][8,4,0][7,1,6]] - Already visited Node!
[[5,3,2][8,4,6][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 - [[1,2,4][8,5,7][3,0,6]]

Generated Nodes :

[[1,2,4][8,0,7][3,5,6]] - Already visited Node!
[[1,2,4][8,5,7][3,6,0]] - $f(n) = 24 + 5 = 29$
[[1,2,4][8,5,7][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,8][2,5,6][3,1,0]]

Generated Nodes :

[[7,4,8][2,5,0][3,1,6]] - Already visited Node!
[[7,4,8][2,5,6][3,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[4,8,5][1,2,6][7,3,0]]

Generated Nodes :

[[4,8,5][1,2,0][7,3,6]] - Already visited Node!
[[4,8,5][1,2,6][7,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,4,8][1,2,6][7,3,0]]

Generated Nodes :

[[5,4,8][1,2,0][7,3,6]] - Already visited Node!
[[5,4,8][1,2,6][7,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[8,2,0][5,6,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - Already visited Node!
[[8,2,1][5,6,0][7,3,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,0][6,8,1][7,3,4]]

Generated Nodes :

[[5,0,2][6,8,1][7,3,4]] - Already visited Node!
[[5,2,1][6,8,0][7,3,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,5,2][7,0,6][8,3,4]]

Generated Nodes :

[[1,0,2][7,5,6][8,3,4]] - $f(n) = 23 + 5 = 28$
[[1,5,2][7,6,0][8,3,4]] - Already visited Node!
[[1,5,2][0,7,6][8,3,4]] - $f(n) = 23 + 6 = 29$
[[1,5,2][7,3,6][8,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,6,5][7,3,2][0,8,4]]

Generated Nodes :

[[1,6,5][0,3,2][7,8,4]] - $f(n) = 23 + 5 = 28$
[[1,6,5][7,3,2][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,0][5,6,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - Already visited Node!
[[8,2,1][5,6,0][7,3,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,0][6,8,1][7,3,4]]

Generated Nodes :

$[5,0,2][6,8,1][7,3,4]$ - Already visited Node!
 $[5,2,1][6,8,0][7,3,4]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[1,7,5][3,6,2][0,8,4]$

Generated Nodes :

$[1,7,5][0,6,2][3,8,4]$ - $f(n) = 23 + 6 = 29$
 $[1,7,5][3,6,2][8,0,4]$ - Already visited Node!

Node Chosen for Level 24 - $[8,1,2][0,5,6][7,4,3]$

Generated Nodes :

$[0,1,2][8,5,6][7,4,3]$ - $f(n) = 24 + 5 = 29$
 $[8,1,2][5,0,6][7,4,3]$ - Already visited Node!
 $[8,1,2][7,5,6][0,4,3]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[4,2,0][8,5,6][7,3,1]$

Generated Nodes :

$[4,0,2][8,5,6][7,3,1]$ - Already visited Node!
 $[4,2,6][8,5,0][7,3,1]$ - $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[7,0,8][4,5,6][3,2,1]$

Generated Nodes :

$[7,8,0][4,5,6][3,2,1]$ - $f(n) = 24 + 5 = 29$
 $[0,7,8][4,5,6][3,2,1]$ - $f(n) = 24 + 5 = 29$
 $[7,5,8][4,0,6][3,2,1]$ - Already visited Node!

Node Chosen for Level 23 - $[3,2,4][1,7,6][8,5,0]$

Generated Nodes :

$[3,2,4][1,7,0][8,5,6]$ - Already visited Node!
 $[3,2,4][1,7,6][8,0,5]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[3,7,2][1,4,6][0,8,5]$

Generated Nodes :

$[3,7,2][0,4,6][1,8,5]$ - $f(n) = 23 + 6 = 29$
 $[3,7,2][1,4,6][8,0,5]$ - Already visited Node!

Node Chosen for Level 24 - $[1,7,4][2,5,6][8,0,3]$

Generated Nodes :

$[1,7,4][2,0,6][8,5,3]$ - Already visited Node!

[[1,7,4][2,5,6][8,3,0]] - Already visited Node!
[[1,7,4][2,5,6][0,8,3]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 24 - [[2,0,3][7,5,4][1,8,6]]

Generated Nodes :

[[2,3,0][7,5,4][1,8,6]] - Already visited Node!
[[0,2,3][7,5,4][1,8,6]] - Already visited Node!
[[2,5,3][7,0,4][1,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,4][2,5,8][7,3,6]]

Generated Nodes :

[[1,4,0][2,5,8][7,3,6]] - $f(n) = 24 + 5 = 29$
[[0,1,4][2,5,8][7,3,6]] - Already visited Node!
[[1,5,4][2,0,8][7,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,4][2,5,8][7,3,6]]

Generated Nodes :

[[1,4,0][2,5,8][7,3,6]] - $f(n) = 24 + 5 = 29$
[[0,1,4][2,5,8][7,3,6]] - Already visited Node!
[[1,5,4][2,0,8][7,3,6]] - Already visited Node!

Node Chosen for Level 26 - [[1,0,4][2,5,6][7,8,3]]

Generated Nodes :

[[1,4,0][2,5,6][7,8,3]] - $f(n) = 26 + 3 = 29$
[[0,1,4][2,5,6][7,8,3]] - Already visited Node!
[[1,5,4][2,0,6][7,8,3]] - Already visited Node!

Node Chosen for Level 26 - [[1,0,4][2,5,6][7,8,3]]

Generated Nodes :

[[1,4,0][2,5,6][7,8,3]] - $f(n) = 26 + 3 = 29$
[[0,1,4][2,5,6][7,8,3]] - Already visited Node!
[[1,5,4][2,0,6][7,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,1][7,2,6][0,8,3]]

Generated Nodes :

[[5,4,1][0,2,6][7,8,3]] - $f(n) = 23 + 5 = 28$
[[5,4,1][7,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,2][0,5,6][4,3,8]]

Generated Nodes :

[[0,7,2][1,5,6][4,3,8]] - Already visited Node!
[[1,7,2][5,0,6][4,3,8]] - $f(n) = 24 + 6 = 30$
[[1,7,2][4,5,6][0,3,8]] - $f(n) = 24 + 4 = 28$

Node Chosen for Level 23 - [[5,2,0][4,7,8][3,1,6]]

Generated Nodes :

[[5,0,2][4,7,8][3,1,6]] - Already visited Node!
[[5,2,8][4,7,0][3,1,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,2,8][4,7,5][3,1,6]]

Generated Nodes :

[[2,0,8][4,7,5][3,1,6]] - $f(n) = 23 + 7 = 30$
[[4,2,8][0,7,5][3,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,1,6][0,8,3]]

Generated Nodes :

[[4,5,2][0,1,6][7,8,3]] - Already visited Node!
[[4,5,2][7,1,6][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[4,1,5][7,2,6][0,8,3]]

Generated Nodes :

[[4,1,5][0,2,6][7,8,3]] - $f(n) = 23 + 5 = 28$
[[4,1,5][7,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][5,3,6][1,7,0]]

Generated Nodes :

[[8,2,4][5,3,0][1,7,6]] - Already visited Node!
[[8,2,4][5,3,6][1,0,7]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,2,8][7,0,6][3,1,4]]

Generated Nodes :

[[5,0,8][7,2,6][3,1,4]] - $f(n) = 23 + 7 = 30$
[[5,2,8][7,6,0][3,1,4]] - Already visited Node!
[[5,2,8][0,7,6][3,1,4]] - $f(n) = 23 + 6 = 29$
[[5,2,8][7,1,6][3,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,5,1][4,2,6][8,3,0]]

Generated Nodes :

[[7,5,1][4,2,0][8,3,6]] - Already visited Node!
[[7,5,1][4,2,6][8,0,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,5,1][4,3,2][0,8,6]]

Generated Nodes :

[[7,5,1][0,3,2][4,8,6]] - $f(n) = 23 + 7 = 30$
[[7,5,1][4,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,1][7,2,6][0,8,3]]

Generated Nodes :

[[5,4,1][0,2,6][7,8,3]] - $f(n) = 23 + 5 = 28$
[[5,4,1][7,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][8,1,6][3,7,0]]

Generated Nodes :

[[5,2,4][8,1,0][3,7,6]] - Already visited Node!
[[5,2,4][8,1,6][3,0,7]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 25 - [[1,2,4][3,7,6][5,8,0]]

Generated Nodes :

[[1,2,4][3,7,0][5,8,6]] - Already visited Node!
[[1,2,4][3,7,6][5,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - [[1,4,3][0,5,2][7,8,6]]

Generated Nodes :

[[0,4,3][1,5,2][7,8,6]] - $f(n) = 26 + 4 = 30$
[[1,4,3][5,0,2][7,8,6]] - Already visited Node!
[[1,4,3][7,5,2][0,8,6]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 25 - [[1,5,2][4,7,6][0,8,3]]

Generated Nodes :

[[1,5,2][0,7,6][4,8,3]] - $f(n) = 25 + 5 = 30$
[[1,5,2][4,7,6][8,0,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,2,7][4,3,5][0,8,6]]

Generated Nodes :

[[1,2,7][0,3,5][4,8,6]] - $f(n) = 25 + 5 = 30$
[[1,2,7][4,3,5][8,0,6]] - Already visited Node!

Node Chosen for Level 25 - [[7,5,3][4,2,6][1,8,0]]

Generated Nodes :

[[7,5,3][4,2,0][1,8,6]] - Already visited Node!
[[7,5,3][4,2,6][1,0,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - [[1,2,4][8,5,6][7,0,3]]

Generated Nodes :

[[1,2,4][8,0,6][7,5,3]] - $f(n) = 26 + 4 = 30$
[[1,2,4][8,5,6][7,3,0]] - Already visited Node!
[[1,2,4][8,5,6][0,7,3]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,0][4,3,6][5,8,1]]

Generated Nodes :

[[7,0,2][4,3,6][5,8,1]] - Already visited Node!
[[7,2,6][4,3,0][5,8,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,0][4,7,6][3,8,1]]

Generated Nodes :

[[5,0,2][4,7,6][3,8,1]] - Already visited Node!
[[5,2,6][4,7,0][3,8,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,0][4,3,6][7,1,8]]

Generated Nodes :

[[5,0,2][4,3,6][7,1,8]] - Already visited Node!
[[5,2,6][4,3,0][7,1,8]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,3,2][4,1,6][7,8,0]]

Generated Nodes :

[[5,3,2][4,1,0][7,8,6]] - $f(n) = 25 + 5 = 30$
[[5,3,2][4,1,6][7,0,8]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,2][5,6,3][7,8,4]]

Generated Nodes :

[[1,2,0][5,6,3][7,8,4]] - $f(n) = 24 + 4 = 28$
[[0,1,2][5,6,3][7,8,4]] - Already visited Node!

$[[1,6,2][5,0,3][7,8,4]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - $[[1,5,8][4,2,6][7,3,0]]$

Generated Nodes :

$[[1,5,8][4,2,0][7,3,6]] - \text{Already visited Node!}$

$[[1,5,8][4,2,6][7,0,3]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 27 - $[[3,2,0][4,5,6][7,8,1]]$

Generated Nodes :

$[[3,0,2][4,5,6][7,8,1]] - \text{Already visited Node!}$

$[[3,2,6][4,5,0][7,8,1]] - f(n) = 27 + 3 = 30$

Node Chosen for Level 25 - $[[8,2,5][4,0,6][7,3,1]]$

Generated Nodes :

$[[8,0,5][4,2,6][7,3,1]] - \text{Already visited Node!}$

$[[8,2,5][4,6,0][7,3,1]] - f(n) = 25 + 5 = 30$

$[[8,2,5][0,4,6][7,3,1]] - f(n) = 25 + 5 = 30$

$[[8,2,5][4,3,6][7,0,1]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[1,7,4][2,5,6][0,8,3]]$

Generated Nodes :

$[[1,7,4][0,5,6][2,8,3]] - f(n) = 25 + 4 = 29$

$[[1,7,4][2,5,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 27 - $[[1,2,7][4,5,6][0,8,3]]$

Generated Nodes :

$[[1,2,7][0,5,6][4,8,3]] - f(n) = 27 + 3 = 30$

$[[1,2,7][4,5,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,0][3,5,1][4,6,8]]$

Generated Nodes :

$[[7,0,2][3,5,1][4,6,8]] - \text{Already visited Node!}$

$[[7,2,1][3,5,0][4,6,8]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[2,8,0][7,5,6][3,4,1]]$

Generated Nodes :

$[[2,0,8][7,5,6][3,4,1]] - f(n) = 23 + 6 = 29$

$[[2,8,6][7,5,0][3,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[2,1,4][7,5,6][8,3,0]]$

Generated Nodes :

$[[2,1,4][7,5,0][8,3,6]]$ - Already visited Node!
 $[[2,1,4][7,5,6][8,0,3]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[4,8,7][2,5,6][3,1,0]]$

Generated Nodes :

$[[4,8,7][2,5,0][3,1,6]]$ - Already visited Node!
 $[[4,8,7][2,5,6][3,0,1]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[7,2,0][3,5,4][6,1,8]]$

Generated Nodes :

$[[7,0,2][3,5,4][6,1,8]]$ - Already visited Node!
 $[[7,2,4][3,5,0][6,1,8]]$ - $f(n) = 23 + 6 = 29$

Node Chosen for Level 25 - $[[4,2,0][8,5,6][7,3,1]]$

Generated Nodes :

$[[4,0,2][8,5,6][7,3,1]]$ - Already visited Node!
 $[[4,2,6][8,5,0][7,3,1]]$ - $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[1,0,2][7,5,4][3,8,6]]$

Generated Nodes :

$[[1,2,0][7,5,4][3,8,6]]$ - $f(n) = 24 + 4 = 28$
 $[[0,1,2][7,5,4][3,8,6]]$ - $f(n) = 24 + 6 = 30$
 $[[1,5,2][7,0,4][3,8,6]]$ - Already visited Node!

Node Chosen for Level 25 - $[[7,2,0][4,5,1][3,8,6]]$

Generated Nodes :

$[[7,0,2][4,5,1][3,8,6]]$ - Already visited Node!
 $[[7,2,1][4,5,0][3,8,6]]$ - $f(n) = 25 + 4 = 29$

Node Chosen for Level 24 - $[[1,2,3][5,7,0][8,6,4]]$

Generated Nodes :

$[[1,2,0][5,7,3][8,6,4]]$ - Already visited Node!
 $[[1,2,3][5,0,7][8,6,4]]$ - $f(n) = 24 + 5 = 29$
 $[[1,2,3][5,7,4][8,6,0]]$ - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 – [[5,2,4][0,6,3][7,8,1]]

Generated Nodes :

[[0,2,4][5,6,3][7,8,1]] – $f(n) = 24 + 5 = 29$
[[5,2,4][6,0,3][7,8,1]] – $f(n) = 24 + 5 = 29$
[[5,2,4][7,6,3][0,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[8,7,0][2,5,6][3,4,1]]

Generated Nodes :

[[8,0,7][2,5,6][3,4,1]] – $f(n) = 23 + 6 = 29$
[[8,7,6][2,5,0][3,4,1]] – Already visited Node!

Node Chosen for Level 23 – [[1,8,5][4,7,2][0,3,6]]

Generated Nodes :

[[1,8,5][0,7,2][4,3,6]] – Already visited Node!
[[1,8,5][4,7,2][3,0,6]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 24 – [[1,2,3][5,7,0][8,6,4]]

Generated Nodes :

[[1,2,0][5,7,3][8,6,4]] – Already visited Node!
[[1,2,3][5,0,7][8,6,4]] – $f(n) = 24 + 5 = 29$
[[1,2,3][5,7,4][8,6,0]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 – [[8,7,4][3,5,6][1,2,0]]

Generated Nodes :

[[8,7,4][3,5,0][1,2,6]] – Already visited Node!
[[8,7,4][3,5,6][1,0,2]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[0,5,2][4,1,8][7,3,6]]

Generated Nodes :

[[5,0,2][4,1,8][7,3,6]] – $f(n) = 23 + 6 = 29$
[[4,5,2][0,1,8][7,3,6]] – Already visited Node!

Node Chosen for Level 23 – [[4,2,0][7,5,1][8,3,6]]

Generated Nodes :

[[4,0,2][7,5,1][8,3,6]] – Already visited Node!
[[4,2,1][7,5,0][8,3,6]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[3,2,0][8,5,4][1,7,6]]

Generated Nodes :

[[3,0,2][8,5,4][1,7,6]] - Already visited Node!
[[3,2,4][8,5,0][1,7,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][1,5,3][6,4,8]]

Generated Nodes :

[[7,0,2][1,5,3][6,4,8]] - Already visited Node!
[[7,2,3][1,5,0][6,4,8]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,2,5][7,0,4][8,3,6]]

Generated Nodes :

[[1,0,5][7,2,4][8,3,6]] - Already visited Node!
[[1,2,5][7,4,0][8,3,6]] - $f(n) = 23 + 6 = 29$
[[1,2,5][0,7,4][8,3,6]] - $f(n) = 23 + 6 = 29$
[[1,2,5][7,3,4][8,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][6,5,4][8,1,3]]

Generated Nodes :

[[7,0,2][6,5,4][8,1,3]] - Already visited Node!
[[7,2,4][6,5,0][8,1,3]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][6,5,3][8,4,1]]

Generated Nodes :

[[7,0,2][6,5,3][8,4,1]] - Already visited Node!
[[7,2,3][6,5,0][8,4,1]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 23 - [[1,2,0][5,8,4][3,7,6]]

Generated Nodes :

[[1,0,2][5,8,4][3,7,6]] - Already visited Node!
[[1,2,4][5,8,0][3,7,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,2,0][8,5,3][6,1,4]]

Generated Nodes :

[[7,0,2][8,5,3][6,1,4]] - Already visited Node!
[[7,2,3][8,5,0][6,1,4]] - $f(n) = 23 + 5 = 28$

Node Chosen for Level 24 - [[5,2,4][0,6,3][7,8,1]]

Generated Nodes :

[[0,2,4][5,6,3][7,8,1]] - $f(n) = 24 + 5 = 29$
[[5,2,4][6,0,3][7,8,1]] - $f(n) = 24 + 5 = 29$
[[5,2,4][7,6,3][0,8,1]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,3][1,8,0][7,6,4]]

Generated Nodes :

[[5,2,0][1,8,3][7,6,4]] - Already visited Node!
[[5,2,3][1,0,8][7,6,4]] - $f(n) = 24 + 5 = 29$
[[5,2,3][1,8,4][7,6,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,0,2][7,5,4][3,8,6]]

Generated Nodes :

[[1,2,0][7,5,4][3,8,6]] - $f(n) = 24 + 4 = 28$
[[0,1,2][7,5,4][3,8,6]] - $f(n) = 24 + 6 = 30$
[[1,5,2][7,0,4][3,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,1][0,6,4][7,8,3]]

Generated Nodes :

[[0,2,1][5,6,4][7,8,3]] - $f(n) = 24 + 5 = 29$
[[5,2,1][6,0,4][7,8,3]] - $f(n) = 24 + 5 = 29$
[[5,2,1][7,6,4][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,3][7,6,0][1,8,4]]

Generated Nodes :

[[5,2,0][7,6,3][1,8,4]] - Already visited Node!
[[5,2,3][7,0,6][1,8,4]] - $f(n) = 24 + 4 = 28$
[[5,2,3][7,6,4][1,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,0,2][7,5,6][8,3,4]]

Generated Nodes :

[[1,2,0][7,5,6][8,3,4]] - $f(n) = 24 + 4 = 28$
[[0,1,2][7,5,6][8,3,4]] - $f(n) = 24 + 6 = 30$
[[1,5,2][7,0,6][8,3,4]] - Already visited Node!

Node Chosen for Level 24 - [[1,6,5][0,3,2][7,8,4]]

Generated Nodes :

[[0,6,5][1,3,2][7,8,4]] - $f(n) = 24 + 6 = 30$
[[1,6,5][3,0,2][7,8,4]] - $f(n) = 24 + 5 = 29$

[[1,6,5][7,3,2][0,8,4]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,4][2,5,6][0,8,3]]

Generated Nodes :

[[1,7,4][0,5,6][2,8,3]] - $f(n) = 25 + 4 = 29$

[[1,7,4][2,5,6][8,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,4,1][0,2,6][7,8,3]]

Generated Nodes :

[[0,4,1][5,2,6][7,8,3]] - $f(n) = 24 + 5 = 29$

[[5,4,1][2,0,6][7,8,3]] - $f(n) = 24 + 5 = 29$

[[5,4,1][7,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,2][4,5,6][0,3,8]]

Generated Nodes :

[[1,7,2][0,5,6][4,3,8]] - Already visited Node!

[[1,7,2][4,5,6][3,0,8]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 24 - [[4,1,5][0,2,6][7,8,3]]

Generated Nodes :

[[0,1,5][4,2,6][7,8,3]] - $f(n) = 24 + 4 = 28$

[[4,1,5][2,0,6][7,8,3]] - $f(n) = 24 + 5 = 29$

[[4,1,5][7,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,4,1][0,2,6][7,8,3]]

Generated Nodes :

[[0,4,1][5,2,6][7,8,3]] - $f(n) = 24 + 5 = 29$

[[5,4,1][2,0,6][7,8,3]] - $f(n) = 24 + 5 = 29$

[[5,4,1][7,2,6][0,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,2,0][5,6,3][7,8,4]]

Generated Nodes :

[[1,0,2][5,6,3][7,8,4]] - Already visited Node!

[[1,2,3][5,6,0][7,8,4]] - $f(n) = 25 + 3 = 28$

Node Chosen for Level 25 - [[1,2,0][7,5,4][3,8,6]]

Generated Nodes :

[[1,0,2][7,5,4][3,8,6]] - Already visited Node!

$[[1,2,4][7,5,0][3,8,6]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 24 - $[[7,2,3][1,5,0][6,4,8]]$

Generated Nodes :

$[[7,2,0][1,5,3][6,4,8]]$ - Already visited Node!

$[[7,2,3][1,0,5][6,4,8]] - f(n) = 24 + 6 = 30$

$[[7,2,3][1,5,8][6,4,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,2,3][6,5,0][8,4,1]]$

Generated Nodes :

$[[7,2,0][6,5,3][8,4,1]]$ - Already visited Node!

$[[7,2,3][6,0,5][8,4,1]] - f(n) = 24 + 6 = 30$

$[[7,2,3][6,5,1][8,4,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,2,3][8,5,0][6,1,4]]$

Generated Nodes :

$[[7,2,0][8,5,3][6,1,4]]$ - Already visited Node!

$[[7,2,3][8,0,5][6,1,4]] - f(n) = 24 + 6 = 30$

$[[7,2,3][8,5,4][6,1,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - $[[1,2,0][7,5,4][3,8,6]]$

Generated Nodes :

$[[1,0,2][7,5,4][3,8,6]]$ - Already visited Node!

$[[1,2,4][7,5,0][3,8,6]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[5,2,3][7,0,6][1,8,4]]$

Generated Nodes :

$[[5,0,3][7,2,6][1,8,4]] - f(n) = 25 + 5 = 30$

$[[5,2,3][7,6,0][1,8,4]]$ - Already visited Node!

$[[5,2,3][0,7,6][1,8,4]] - f(n) = 25 + 4 = 29$

$[[5,2,3][7,8,6][1,0,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,2,0][7,5,6][8,3,4]]$

Generated Nodes :

$[[1,0,2][7,5,6][8,3,4]]$ - Already visited Node!

$[[1,2,6][7,5,0][8,3,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[0,1,5][4,2,6][7,8,3]]$

Generated Nodes :

[[1,0,5][4,2,6][7,8,3]] - $f(n) = 25 + 3 = 28$
[[4,1,5][0,2,6][7,8,3]] - Already visited Node!

Node Chosen for Level 26 - [[1,2,3][5,6,0][7,8,4]]

Generated Nodes :

[[1,2,0][5,6,3][7,8,4]] - Already visited Node!
[[1,2,3][5,0,6][7,8,4]] - $f(n) = 26 + 2 = 28$
[[1,2,3][5,6,4][7,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - [[1,0,5][4,2,6][7,8,3]]

Generated Nodes :

[[1,5,0][4,2,6][7,8,3]] - $f(n) = 26 + 3 = 29$
[[0,1,5][4,2,6][7,8,3]] - Already visited Node!
[[1,2,5][4,0,6][7,8,3]] - $f(n) = 26 + 2 = 28$

Node Chosen for Level 27 - [[1,2,3][5,0,6][7,8,4]]

Generated Nodes :

[[1,0,3][5,2,6][7,8,4]] - $f(n) = 27 + 3 = 30$
[[1,2,3][5,6,0][7,8,4]] - Already visited Node!
[[1,2,3][0,5,6][7,8,4]] - $f(n) = 27 + 1 = 28$
[[1,2,3][5,8,6][7,0,4]] - $f(n) = 27 + 3 = 30$

Node Chosen for Level 27 - [[1,2,5][4,0,6][7,8,3]]

Generated Nodes :

[[1,0,5][4,2,6][7,8,3]] - Already visited Node!
[[1,2,5][4,6,0][7,8,3]] - $f(n) = 27 + 3 = 30$
[[1,2,5][0,4,6][7,8,3]] - $f(n) = 27 + 3 = 30$
[[1,2,5][4,8,6][7,0,3]] - $f(n) = 27 + 3 = 30$

Node Chosen for Level 28 - [[1,2,3][0,5,6][7,8,4]]

Generated Nodes :

[[0,2,3][1,5,6][7,8,4]] - $f(n) = 28 + 2 = 30$
[[1,2,3][5,0,6][7,8,4]] - Already visited Node!
[[1,2,3][7,5,6][0,8,4]] - $f(n) = 28 + 2 = 30$

Node Chosen for Level 22 - [[7,0,6][3,2,5][1,4,8]]

Generated Nodes :

[[7,6,0][3,2,5][1,4,8]] - $f(n) = 22 + 8 = 30$
[[0,7,6][3,2,5][1,4,8]] - $f(n) = 22 + 8 = 30$

[[7,2,6][3,0,5][1,4,8]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,6][1,2,5][8,4,3]]

Generated Nodes :

[[7,6,0][1,2,5][8,4,3]] - $f(n) = 22 + 8 = 30$
[[0,7,6][1,2,5][8,4,3]] - $f(n) = 22 + 8 = 30$
[[7,2,6][1,0,5][8,4,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,6][4,2,5][1,8,3]]

Generated Nodes :

[[7,6,0][4,2,5][1,8,3]] - $f(n) = 24 + 6 = 30$
[[0,7,6][4,2,5][1,8,3]] - $f(n) = 24 + 6 = 30$
[[7,2,6][4,0,5][1,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,6][0,4,5][1,8,3]]

Generated Nodes :

[[0,2,6][7,4,5][1,8,3]] - $f(n) = 24 + 6 = 30$
[[7,2,6][4,0,5][1,8,3]] - Already visited Node!
[[7,2,6][1,4,5][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,6][4,8,5][1,0,3]]

Generated Nodes :

[[7,2,6][4,0,5][1,8,3]] - Already visited Node!
[[7,2,6][4,8,5][1,3,0]] - $f(n) = 24 + 6 = 30$
[[7,2,6][4,8,5][0,1,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[7,2,6][3,0,1][4,5,8]]

Generated Nodes :

[[7,0,6][3,2,1][4,5,8]] - $f(n) = 23 + 8 = 31$
[[7,2,6][3,1,0][4,5,8]] - $f(n) = 23 + 7 = 30$
[[7,2,6][0,3,1][4,5,8]] - $f(n) = 23 + 7 = 30$
[[7,2,6][3,5,1][4,0,8]] - Already visited Node!

Node Chosen for Level 22 - [[4,7,2][8,6,0][3,5,1]]

Generated Nodes :

[[4,7,0][8,6,2][3,5,1]] - $f(n) = 22 + 8 = 30$
[[4,7,2][8,0,6][3,5,1]] - Already visited Node!
[[4,7,2][8,6,1][3,5,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[2,5,4][7,0,6][3,1,8]]

Generated Nodes :

[[2,0,4][7,5,6][3,1,8]] - Already visited Node!
[[2,5,4][7,6,0][3,1,8]] - $f(n) = 23 + 8 = 31$
[[2,5,4][0,7,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[2,5,4][7,1,6][3,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[7,0,6][5,2,1][8,3,4]]

Generated Nodes :

[[7,6,0][5,2,1][8,3,4]] - $f(n) = 22 + 8 = 30$
[[0,7,6][5,2,1][8,3,4]] - $f(n) = 22 + 8 = 30$
[[7,2,6][5,0,1][8,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,1][5,2,4][8,3,6]]

Generated Nodes :

[[7,1,0][5,2,4][8,3,6]] - $f(n) = 22 + 8 = 30$
[[0,7,1][5,2,4][8,3,6]] - $f(n) = 22 + 8 = 30$
[[7,2,1][5,0,4][8,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,8][3,2,4][1,5,6]]

Generated Nodes :

[[7,8,0][3,2,4][1,5,6]] - $f(n) = 22 + 8 = 30$
[[0,7,8][3,2,4][1,5,6]] - $f(n) = 22 + 8 = 30$
[[7,2,8][3,0,4][1,5,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,2][5,6,0][1,4,8]]

Generated Nodes :

[[3,7,0][5,6,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[3,7,2][5,0,6][1,4,8]] - Already visited Node!
[[3,7,2][5,6,8][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,2][5,8,1][6,0,4]]

Generated Nodes :

[[3,7,2][5,0,1][6,8,4]] - Already visited Node!
[[3,7,2][5,8,1][6,4,0]] - $f(n) = 22 + 8 = 30$
[[3,7,2][5,8,1][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[4,5,2][7,8,6][0,3,1]]

Generated Nodes :

[[4,5,2][0,8,6][7,3,1]] - Already visited Node!
[[4,5,2][7,8,6][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][3,0,4][6,5,8]]

Generated Nodes :

[[7,0,1][3,2,4][6,5,8]] - $f(n) = 23 + 8 = 31$
[[7,2,1][3,4,0][6,5,8]] - $f(n) = 23 + 7 = 30$
[[7,2,1][0,3,4][6,5,8]] - $f(n) = 23 + 7 = 30$
[[7,2,1][3,5,4][6,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[1,3,2][5,8,4][0,7,6]]

Generated Nodes :

[[1,3,2][0,8,4][5,7,6]] - $f(n) = 23 + 7 = 30$
[[1,3,2][5,8,4][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,7,2][5,0,6][3,1,8]]

Generated Nodes :

[[4,0,2][5,7,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[4,7,2][5,6,0][3,1,8]] - $f(n) = 23 + 8 = 31$
[[4,7,2][0,5,6][3,1,8]] - Already visited Node!
[[4,7,2][5,1,6][3,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - [[7,0,1][6,2,5][8,3,4]]

Generated Nodes :

[[7,1,0][6,2,5][8,3,4]] - Already visited Node!
[[0,7,1][6,2,5][8,3,4]] - $f(n) = 22 + 8 = 30$
[[7,2,1][6,0,5][8,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[4,1,5][0,7,2][8,3,6]]

Generated Nodes :

[[0,1,5][4,7,2][8,3,6]] - Already visited Node!
[[4,1,5][7,0,2][8,3,6]] - Already visited Node!
[[4,1,5][8,7,2][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][3,8,6][0,7,1]]

Generated Nodes :

[[5,4,2][0,8,6][3,7,1]] - Already visited Node!
[[5,4,2][3,8,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,8,1][0,7,6]]

Generated Nodes :

[[5,2,4][0,8,1][3,7,6]] - Already visited Node!
[[5,2,4][3,8,1][7,0,6]] - Already visited Node!

Node Chosen for Level 24 - [[8,0,7][4,2,6][3,5,1]]

Generated Nodes :

[[8,7,0][4,2,6][3,5,1]] - $f(n) = 24 + 6 = 30$
[[0,8,7][4,2,6][3,5,1]] - $f(n) = 24 + 6 = 30$
[[8,2,7][4,0,6][3,5,1]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,7][4,6,0][3,5,1]]

Generated Nodes :

[[8,2,0][4,6,7][3,5,1]] - $f(n) = 24 + 6 = 30$
[[8,2,7][4,0,6][3,5,1]] - Already visited Node!
[[8,2,7][4,6,1][3,5,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[8,2,7][0,4,6][3,5,1]]

Generated Nodes :

[[0,2,7][8,4,6][3,5,1]] - $f(n) = 24 + 6 = 30$
[[8,2,7][4,0,6][3,5,1]] - Already visited Node!
[[8,2,7][3,4,6][0,5,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[5,1,2][3,4,6][0,7,8]]

Generated Nodes :

[[5,1,2][0,4,6][3,7,8]] - $f(n) = 23 + 7 = 30$
[[5,1,2][3,4,6][7,0,8]] - Already visited Node!

Node Chosen for Level 24 - [[1,3,2][7,5,4][8,0,6]]

Generated Nodes :

[[1,3,2][7,0,4][8,5,6]] - $f(n) = 24 + 7 = 31$
[[1,3,2][7,5,4][8,6,0]] - $f(n) = 24 + 6 = 30$
[[1,3,2][7,5,4][0,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,7,5][1,3,2][4,8,6]]

Generated Nodes :

[[7,0,5][1,3,2][4,8,6]] - $f(n) = 23 + 7 = 30$
[[1,7,5][0,3,2][4,8,6]] - Already visited Node!

Node Chosen for Level 25 - $[[1,2,4][5,3,6][0,7,8]]$

Generated Nodes :

 $[[1,2,4][0,3,6][5,7,8]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][5,3,6][7,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,0,3][4,2,5][8,1,6]]$

Generated Nodes :

 $[[7,3,0][4,2,5][8,1,6]] - f(n) = 24 + 7 = 31$
 $[[0,7,3][4,2,5][8,1,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,3][4,0,5][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,3][0,4,5][8,1,6]]$

Generated Nodes :

 $[[0,2,3][7,4,5][8,1,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,3][4,0,5][8,1,6]] - \text{Already visited Node!}$
 $[[7,2,3][8,4,5][0,1,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 22 - $[[7,4,6][3,2,0][1,5,8]]$

Generated Nodes :

 $[[7,4,0][3,2,6][1,5,8]] - \text{Already visited Node!}$
 $[[7,4,6][3,0,2][1,5,8]] - f(n) = 22 + 8 = 30$
 $[[7,4,6][3,2,8][1,5,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,2][3,6,4][1,5,8]]$

Generated Nodes :

 $[[7,2,0][3,6,4][1,5,8]] - \text{Already visited Node!}$
 $[[0,7,2][3,6,4][1,5,8]] - f(n) = 22 + 8 = 30$
 $[[7,6,2][3,0,4][1,5,8]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,7,6][0,2,5][8,3,1]]$

Generated Nodes :

 $[[0,7,6][4,2,5][8,3,1]] - \text{Already visited Node!}$
 $[[4,7,6][2,0,5][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[4,7,6][8,2,5][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,0,6][7,4,5][8,3,1]]$

Generated Nodes :

 $[[2,6,0][7,4,5][8,3,1]] - f(n) = 22 + 8 = 30$

[[0,2,6][7,4,5][8,3,1]] - Already visited Node!
[[2,4,6][7,0,5][8,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,6][1,2,0][8,5,3]]

Generated Nodes :

[[7,4,0][1,2,6][8,5,3]] - Already visited Node!
[[7,4,6][1,0,2][8,5,3]] - $f(n) = 22 + 8 = 30$
[[7,4,6][1,2,3][8,5,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,2][1,6,4][8,5,3]]

Generated Nodes :

[[7,2,0][1,6,4][8,5,3]] - Already visited Node!
[[0,7,2][1,6,4][8,5,3]] - $f(n) = 22 + 8 = 30$
[[7,6,2][1,0,4][8,5,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,6][7,8,2][3,0,1]]

Generated Nodes :

[[5,4,6][7,0,2][3,8,1]] - Already visited Node!
[[5,4,6][7,8,2][3,1,0]] - $f(n) = 22 + 8 = 30$
[[5,4,6][7,8,2][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,6][7,2,1][3,0,8]]

Generated Nodes :

[[5,4,6][7,0,1][3,2,8]] - $f(n) = 22 + 8 = 30$
[[5,4,6][7,2,1][3,8,0]] - Already visited Node!
[[5,4,6][7,2,1][0,3,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,2][7,8,4][3,0,1]]

Generated Nodes :

[[5,6,2][7,0,4][3,8,1]] - Already visited Node!
[[5,6,2][7,8,4][3,1,0]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,8,4][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,3,4][7,8,5][1,0,6]]

Generated Nodes :

[[2,3,4][7,0,5][1,8,6]] - Already visited Node!
[[2,3,4][7,8,5][1,6,0]] - $f(n) = 22 + 8 = 30$
[[2,3,4][7,8,5][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][2,6,0][4,3,1]]

Generated Nodes :

[[8,7,0][2,6,5][4,3,1]] - $f(n) = 22 + 8 = 30$
[[8,7,5][2,0,6][4,3,1]] - Already visited Node!
[[8,7,5][2,6,1][4,3,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,6][7,2,0][8,1,3]]

Generated Nodes :

[[5,4,0][7,2,6][8,1,3]] - Already visited Node!
[[5,4,6][7,0,2][8,1,3]] - $f(n) = 22 + 8 = 30$
[[5,4,6][7,2,3][8,1,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,2][7,6,4][8,1,3]]

Generated Nodes :

[[5,2,0][7,6,4][8,1,3]] - Already visited Node!
[[0,5,2][7,6,4][8,1,3]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,0,4][8,1,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 - [[2,4,6][7,5,0][1,8,3]]

Generated Nodes :

[[2,4,0][7,5,6][1,8,3]] - Already visited Node!
[[2,4,6][7,0,5][1,8,3]] - $f(n) = 24 + 7 = 31$
[[2,4,6][7,5,3][1,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,4,6][5,1,0][7,8,3]]

Generated Nodes :

[[2,4,0][5,1,6][7,8,3]] - Already visited Node!
[[2,4,6][5,0,1][7,8,3]] - $f(n) = 24 + 6 = 30$
[[2,4,6][5,1,3][7,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,1,4][5,6,0][7,8,3]]

Generated Nodes :

[[2,1,0][5,6,4][7,8,3]] - $f(n) = 24 + 6 = 30$
[[2,1,4][5,0,6][7,8,3]] - Already visited Node!
[[2,1,4][5,6,3][7,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,1,4][5,8,6][7,0,3]]

Generated Nodes :

[[2,1,4][5,0,6][7,8,3]] - Already visited Node!

[[2,1,4][5,8,6][7,3,0]] - Already visited Node!
[[2,1,4][5,8,6][0,7,3]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[5,4,6][1,2,0][7,8,3]]

Generated Nodes :

[[5,4,0][1,2,6][7,8,3]] - Already visited Node!
[[5,4,6][1,0,2][7,8,3]] - $f(n) = 24 + 6 = 30$
[[5,4,6][1,2,3][7,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,0,2][1,6,4][7,8,3]]

Generated Nodes :

[[5,2,0][1,6,4][7,8,3]] - Already visited Node!
[[0,5,2][1,6,4][7,8,3]] - $f(n) = 24 + 6 = 30$
[[5,6,2][1,0,4][7,8,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,4][1,6,3][7,0,8]]

Generated Nodes :

[[5,2,4][1,0,3][7,6,8]] - Already visited Node!
[[5,2,4][1,6,3][7,8,0]] - Already visited Node!
[[5,2,4][1,6,3][0,7,8]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[4,7,2][1,5,6][8,0,3]]

Generated Nodes :

[[4,7,2][1,0,6][8,5,3]] - $f(n) = 24 + 7 = 31$
[[4,7,2][1,5,6][8,3,0]] - $f(n) = 24 + 6 = 30$
[[4,7,2][1,5,6][0,8,3]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,6][5,2,7][3,4,1]]

Generated Nodes :

[[8,6,0][5,2,7][3,4,1]] - $f(n) = 22 + 8 = 30$
[[0,8,6][5,2,7][3,4,1]] - $f(n) = 22 + 8 = 30$
[[8,2,6][5,0,7][3,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,2][5,6,0][1,4,8]]

Generated Nodes :

[[3,7,0][5,6,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[3,7,2][5,0,6][1,4,8]] - Already visited Node!
[[3,7,2][5,6,8][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][6,8,1][4,0,3]]

Generated Nodes :

[[7,5,2][6,0,1][4,8,3]] - Already visited Node!
[[7,5,2][6,8,1][4,3,0]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,8,1][0,4,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 - [[2,0,6][7,5,1][4,8,3]]

Generated Nodes :

[[2,6,0][7,5,1][4,8,3]] - $f(n) = 24 + 6 = 30$
[[0,2,6][7,5,1][4,8,3]] - Already visited Node!
[[2,5,6][7,0,1][4,8,3]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 22 - [[3,7,5][0,8,2][4,1,6]]

Generated Nodes :

[[0,7,5][3,8,2][4,1,6]] - Already visited Node!
[[3,7,5][8,0,2][4,1,6]] - $f(n) = 22 + 8 = 30$
[[3,7,5][4,8,2][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,5][3,6,0][1,2,8]]

Generated Nodes :

[[7,4,0][3,6,5][1,2,8]] - $f(n) = 22 + 8 = 30$
[[7,4,5][3,0,6][1,2,8]] - Already visited Node!
[[7,4,5][3,6,8][1,2,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,3,2][7,6,0][1,4,8]]

Generated Nodes :

[[5,3,0][7,6,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[5,3,2][7,0,6][1,4,8]] - Already visited Node!
[[5,3,2][7,6,8][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,7][8,4,5][3,1,6]]

Generated Nodes :

[[2,7,0][8,4,5][3,1,6]] - $f(n) = 22 + 8 = 30$
[[0,2,7][8,4,5][3,1,6]] - Already visited Node!
[[2,4,7][8,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 - [[3,7,2][4,5,0][8,1,6]]

Generated Nodes :

[[3,7,0][4,5,2][8,1,6]] - $f(n) = 24 + 6 = 30$

$[[3,7,2][4,0,5][8,1,6]] - f(n) = 24 + 7 = 31$
 $[[3,7,2][4,5,6][8,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][3,6,0][1,2,8]]$

Generated Nodes :

$[[7,4,0][3,6,5][1,2,8]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][3,0,6][1,2,8]] - \text{Already visited Node!}$
 $[[7,4,5][3,6,8][1,2,0]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,1,2][5,7,6][8,4,3]]$

Generated Nodes :

$[[1,0,2][5,7,6][8,4,3]] - \text{Already visited Node!}$
 $[[5,1,2][0,7,6][8,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,0,6][4,2,8][7,3,1]]$

Generated Nodes :

$[[5,6,0][4,2,8][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[0,5,6][4,2,8][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[5,2,6][4,0,8][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,6][0,4,8][7,3,1]]$

Generated Nodes :

$[[0,2,6][5,4,8][7,3,1]] - \text{Already visited Node!}$
 $[[5,2,6][4,0,8][7,3,1]] - \text{Already visited Node!}$
 $[[5,2,6][7,4,8][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,1,2][4,6,3][7,0,8]]$

Generated Nodes :

$[[5,1,2][4,0,3][7,6,8]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][4,6,3][7,8,0]] - \text{Already visited Node!}$
 $[[5,1,2][4,6,3][0,7,8]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[5,1,2][4,8,0][7,3,6]]$

Generated Nodes :

$[[5,1,0][4,8,2][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][4,0,8][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][4,8,6][7,3,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,7,2][5,3,0][8,1,6]]$

Generated Nodes :

[[4,7,0][5,3,2][8,1,6]] - $f(n) = 22 + 8 = 30$
[[4,7,2][5,0,3][8,1,6]] - $f(n) = 22 + 8 = 30$
[[4,7,2][5,3,6][8,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,6][7,8,1][3,5,4]]

Generated Nodes :

[[2,6,0][7,8,1][3,5,4]] - $f(n) = 22 + 8 = 30$
[[0,2,6][7,8,1][3,5,4]] - Already visited Node!
[[2,8,6][7,0,1][3,5,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,2][8,4,1][3,5,6]]

Generated Nodes :

[[7,2,0][8,4,1][3,5,6]] - Already visited Node!
[[0,7,2][8,4,1][3,5,6]] - $f(n) = 22 + 8 = 30$
[[7,4,2][8,0,1][3,5,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,0,1][7,8,4][3,5,6]]

Generated Nodes :

[[2,1,0][7,8,4][3,5,6]] - $f(n) = 22 + 8 = 30$
[[0,2,1][7,8,4][3,5,6]] - Already visited Node!
[[2,8,1][7,0,4][3,5,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[2,8,4][5,3,6][0,7,1]]

Generated Nodes :

[[2,8,4][0,3,6][5,7,1]] - $f(n) = 23 + 7 = 30$
[[2,8,4][5,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,4][7,2,6][0,3,1]]

Generated Nodes :

[[8,5,4][0,2,6][7,3,1]] - Already visited Node!
[[8,5,4][7,2,6][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,4][8,6,1][0,7,3]]

Generated Nodes :

[[5,2,4][0,6,1][8,7,3]] - $f(n) = 23 + 7 = 30$
[[5,2,4][8,6,1][7,0,3]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,8][7,3,5][1,6,4]]

Generated Nodes :

[[2,8,0][7,3,5][1,6,4]] - $f(n) = 22 + 8 = 30$
[[0,2,8][7,3,5][1,6,4]] - Already visited Node!
[[2,3,8][7,0,5][1,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[7,2,6][3,0,8][1,5,4]]

Generated Nodes :

[[7,0,6][3,2,8][1,5,4]] - $f(n) = 23 + 8 = 31$
[[7,2,6][3,8,0][1,5,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][0,3,8][1,5,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][3,5,8][1,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][4,6,1][0,7,3]]

Generated Nodes :

[[5,8,2][0,6,1][4,7,3]] - $f(n) = 23 + 8 = 31$
[[5,8,2][4,6,1][7,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][1,0,3][8,5,4]]

Generated Nodes :

[[7,0,6][1,2,3][8,5,4]] - $f(n) = 23 + 8 = 31$
[[7,2,6][1,3,0][8,5,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][0,1,3][8,5,4]] - $f(n) = 23 + 7 = 30$
[[7,2,6][1,5,3][8,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,4][2,8,5][1,0,6]]

Generated Nodes :

[[3,7,4][2,0,5][1,8,6]] - Already visited Node!
[[3,7,4][2,8,5][1,6,0]] - $f(n) = 22 + 8 = 30$
[[3,7,4][2,8,5][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,7,4][1,2,5][8,0,6]]

Generated Nodes :

[[3,7,4][1,0,5][8,2,6]] - $f(n) = 22 + 8 = 30$
[[3,7,4][1,2,5][8,6,0]] - $f(n) = 22 + 8 = 30$
[[3,7,4][1,2,5][0,8,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,2][3,8,4][1,6,5]]

Generated Nodes :

[[7,2,0][3,8,4][1,6,5]] - Already visited Node!
[[0,7,2][3,8,4][1,6,5]] - $f(n) = 22 + 8 = 30$
[[7,8,2][3,0,4][1,6,5]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,4][3,2,8][1,6,5]]

Generated Nodes :

[[7,4,0][3,2,8][1,6,5]] - $f(n) = 22 + 8 = 30$
[[0,7,4][3,2,8][1,6,5]] - $f(n) = 22 + 8 = 30$
[[7,2,4][3,0,8][1,6,5]] - Already visited Node!

Node Chosen for Level 22 - [[2,0,4][7,8,5][3,1,6]]

Generated Nodes :

[[2,4,0][7,8,5][3,1,6]] - $f(n) = 22 + 8 = 30$
[[0,2,4][7,8,5][3,1,6]] - Already visited Node!
[[2,8,4][7,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,7,5][0,3,2][8,1,6]]

Generated Nodes :

[[0,7,5][4,3,2][8,1,6]] - Already visited Node!
[[4,7,5][3,0,2][8,1,6]] - $f(n) = 22 + 8 = 30$
[[4,7,5][8,3,2][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,3,5][0,4,2][8,1,6]]

Generated Nodes :

[[0,3,5][7,4,2][8,1,6]] - $f(n) = 22 + 8 = 30$
[[7,3,5][4,0,2][8,1,6]] - Already visited Node!
[[7,3,5][8,4,2][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,0,6][5,7,8][3,4,1]]

Generated Nodes :

[[2,6,0][5,7,8][3,4,1]] - $f(n) = 22 + 8 = 30$
[[0,2,6][5,7,8][3,4,1]] - Already visited Node!
[[2,7,6][5,0,8][3,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][3,8,2][4,0,1]]

Generated Nodes :

[[7,6,5][3,0,2][4,8,1]] - Already visited Node!
[[7,6,5][3,8,2][4,1,0]] - Already visited Node!
[[7,6,5][3,8,2][0,4,1]] - Already visited Node!

Node Chosen for Level 22 - $[[2,0,6][5,7,4][8,3,1]]$

Generated Nodes :

 $[[2,6,0][5,7,4][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[0,2,6][5,7,4][8,3,1]] - \text{Already visited Node!}$
 $[[2,7,6][5,0,4][8,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,0,6][7,2,1][8,4,3]]$

Generated Nodes :

 $[[5,6,0][7,2,1][8,4,3]] - f(n) = 22 + 8 = 30$
 $[[0,5,6][7,2,1][8,4,3]] - f(n) = 22 + 8 = 30$
 $[[5,2,6][7,0,1][8,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,6][8,2,4][3,1,5]]$

Generated Nodes :

 $[[7,6,0][8,2,4][3,1,5]] - f(n) = 22 + 8 = 30$
 $[[0,7,6][8,2,4][3,1,5]] - f(n) = 22 + 8 = 30$
 $[[7,2,6][8,0,4][3,1,5]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[2,0,6][7,4,5][8,3,1]]$

Generated Nodes :

 $[[2,6,0][7,4,5][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[0,2,6][7,4,5][8,3,1]] - \text{Already visited Node!}$
 $[[2,4,6][7,0,5][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,4,7][5,8,2][1,0,6]]$

Generated Nodes :

 $[[3,4,7][5,0,2][1,8,6]] - \text{Already visited Node!}$
 $[[3,4,7][5,8,2][1,6,0]] - f(n) = 22 + 8 = 30$
 $[[3,4,7][5,8,2][0,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,2][8,6,1][3,4,5]]$

Generated Nodes :

 $[[7,2,0][8,6,1][3,4,5]] - \text{Already visited Node!}$
 $[[0,7,2][8,6,1][3,4,5]] - f(n) = 22 + 8 = 30$
 $[[7,6,2][8,0,1][3,4,5]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,0,1][7,6,5][8,3,4]]$

Generated Nodes :

$[[2,1,0][7,6,5][8,3,4]] - f(n) = 22 + 8 = 30$
 $[[0,2,1][7,6,5][8,3,4]] - \text{Already visited Node!}$
 $[[2,6,1][7,0,5][8,3,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,1][6,2,5][8,3,4]]$

Generated Nodes :

$[[7,1,0][6,2,5][8,3,4]] - \text{Already visited Node!}$
 $[[0,7,1][6,2,5][8,3,4]] - f(n) = 22 + 8 = 30$
 $[[7,2,1][6,0,5][8,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,2][1,3,4][8,6,5]]$

Generated Nodes :

$[[7,2,0][1,3,4][8,6,5]] - \text{Already visited Node!}$
 $[[0,7,2][1,3,4][8,6,5]] - f(n) = 22 + 8 = 30$
 $[[7,3,2][1,0,4][8,6,5]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,4][1,2,3][8,6,5]]$

Generated Nodes :

$[[7,4,0][1,2,3][8,6,5]] - f(n) = 22 + 8 = 30$
 $[[0,7,4][1,2,3][8,6,5]] - f(n) = 22 + 8 = 30$
 $[[7,2,4][1,0,3][8,6,5]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,3,2][7,6,0][1,4,8]]$

Generated Nodes :

$[[5,3,0][7,6,2][1,4,8]] - f(n) = 22 + 8 = 30$
 $[[5,3,2][7,0,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,3,2][7,6,8][1,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][1,6,0][4,3,8]]$

Generated Nodes :

$[[7,5,0][1,6,2][4,3,8]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][1,0,6][4,3,8]] - \text{Already visited Node!}$
 $[[7,5,2][1,6,8][4,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,4,2][7,6,0][3,1,8]]$

Generated Nodes :

$[[5,4,0][7,6,2][3,1,8]] - f(n) = 22 + 8 = 30$
 $[[5,4,2][7,0,6][3,1,8]] - \text{Already visited Node!}$
 $[[5,4,2][7,6,8][3,1,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,8,2][3,6,0][4,7,1]]

Generated Nodes :

[[5,8,0][3,6,2][4,7,1]] – $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,6][4,7,1]] – Already visited Node!
[[5,8,2][3,6,1][4,7,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,8,2][3,7,0][4,1,6]]

Generated Nodes :

[[5,8,0][3,7,2][4,1,6]] – $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,7][4,1,6]] – $f(n) = 22 + 8 = 30$
[[5,8,2][3,7,6][4,1,0]] – Already visited Node!

Node Chosen for Level 22 – [[5,4,2][8,6,0][3,7,1]]

Generated Nodes :

[[5,4,0][8,6,2][3,7,1]] – $f(n) = 22 + 8 = 30$
[[5,4,2][8,0,6][3,7,1]] – Already visited Node!
[[5,4,2][8,6,1][3,7,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,4,2][8,7,0][3,1,6]]

Generated Nodes :

[[5,4,0][8,7,2][3,1,6]] – $f(n) = 22 + 8 = 30$
[[5,4,2][8,0,7][3,1,6]] – $f(n) = 22 + 8 = 30$
[[5,4,2][8,7,6][3,1,0]] – Already visited Node!

Node Chosen for Level 22 – [[2,0,4][5,3,8][1,7,6]]

Generated Nodes :

[[2,4,0][5,3,8][1,7,6]] – $f(n) = 22 + 8 = 30$
[[0,2,4][5,3,8][1,7,6]] – Already visited Node!
[[2,3,4][5,0,8][1,7,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,0,2][3,7,4][1,6,8]]

Generated Nodes :

[[5,2,0][3,7,4][1,6,8]] – Already visited Node!
[[0,5,2][3,7,4][1,6,8]] – $f(n) = 22 + 8 = 30$
[[5,7,2][3,0,4][1,6,8]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,0,4][3,2,7][1,6,8]]

Generated Nodes :

$[[5,4,0][3,2,7][1,6,8]] - f(n) = 22 + 8 = 30$
 $[[0,5,4][3,2,7][1,6,8]] - f(n) = 22 + 8 = 30$
 $[[5,2,4][3,0,7][1,6,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[2,0,4][5,7,1][3,6,8]]$

Generated Nodes :

$[[2,4,0][5,7,1][3,6,8]] - f(n) = 22 + 8 = 30$
 $[[0,2,4][5,7,1][3,6,8]] - \text{Already visited Node!}$
 $[[2,7,4][5,0,1][3,6,8]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,3,5][7,8,2][1,0,6]]$

Generated Nodes :

$[[4,3,5][7,0,2][1,8,6]] - \text{Already visited Node!}$
 $[[4,3,5][7,8,2][1,6,0]] - f(n) = 22 + 8 = 30$
 $[[4,3,5][7,8,2][0,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,5,2][0,1,7][4,3,6]]$

Generated Nodes :

$[[0,5,2][8,1,7][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[8,5,2][1,0,7][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[8,5,2][4,1,7][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,8,7][0,1,5][3,6,2]]$

Generated Nodes :

$[[0,8,7][4,1,5][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,7][1,0,5][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[4,8,7][3,1,5][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,1,7][0,4,5][3,6,2]]$

Generated Nodes :

$[[0,1,7][8,4,5][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[8,1,7][4,0,5][3,6,2]] - \text{Already visited Node!}$
 $[[8,1,7][3,4,5][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,5][0,7,1][3,6,2]]$

Generated Nodes :

$[[0,8,5][4,7,1][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,5][7,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,5][3,7,1][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,5][0,6,1][4,3,2]]$

Generated Nodes :

 $[[0,7,5][8,6,1][4,3,2]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][6,0,1][4,3,2]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][4,6,1][0,3,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,5,6][7,8,0][3,2,1]]$

Generated Nodes :

 $[[4,5,0][7,8,6][3,2,1]] - \text{Already visited Node!}$
 $[[4,5,6][7,0,8][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[4,5,6][7,8,1][3,2,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,5][7,6,0][3,2,1]]$

Generated Nodes :

 $[[4,8,0][7,6,5][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][7,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[4,8,5][7,6,1][3,2,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][3,8,0][2,1,6]]$

Generated Nodes :

 $[[7,4,0][3,8,5][2,1,6]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][3,0,8][2,1,6]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][3,8,6][2,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,5,6][7,2,0][8,3,1]]$

Generated Nodes :

 $[[4,5,0][7,2,6][8,3,1]] - \text{Already visited Node!}$
 $[[4,5,6][7,0,2][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[4,5,6][7,2,1][8,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,6][2,4,0][8,3,1]]$

Generated Nodes :

 $[[7,5,0][2,4,6][8,3,1]] - \text{Already visited Node!}$
 $[[7,5,6][2,0,4][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,6][2,4,1][8,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][2,3,0][8,1,6]]$

Generated Nodes :

$[[7,4,0][2,3,5][8,1,6]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][2,0,3][8,1,6]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][2,3,6][8,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][3,6,0][4,7,1]]$

Generated Nodes :

$[[5,8,0][3,6,2][4,7,1]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,6][4,7,1]] - \text{Already visited Node!}$
 $[[5,8,2][3,6,1][4,7,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,8,2][3,7,0][4,1,6]]$

Generated Nodes :

$[[5,8,0][3,7,2][4,1,6]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,7][4,1,6]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,7,6][4,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,4][8,2,1][3,7,6]]$

Generated Nodes :

$[[5,4,0][8,2,1][3,7,6]] - f(n) = 22 + 8 = 30$
 $[[0,5,4][8,2,1][3,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,2,4][8,0,1][3,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,2][7,3,4][8,6,1]]$

Generated Nodes :

$[[5,2,0][7,3,4][8,6,1]] - \text{Already visited Node!}$
 $[[0,5,2][7,3,4][8,6,1]] - f(n) = 22 + 8 = 30$
 $[[5,3,2][7,0,4][8,6,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,0,4][7,2,3][8,6,1]]$

Generated Nodes :

$[[5,4,0][7,2,3][8,6,1]] - f(n) = 22 + 8 = 30$
 $[[0,5,4][7,2,3][8,6,1]] - f(n) = 22 + 8 = 30$
 $[[5,2,4][7,0,3][8,6,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][8,6,0][4,1,3]]$

Generated Nodes :

$[[7,5,0][8,6,2][4,1,3]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][8,0,6][4,1,3]] - \text{Already visited Node!}$
 $[[7,5,2][8,6,3][4,1,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,5,2][8,1,0][4,3,6]]

Generated Nodes :

[[7,5,0][8,1,2][4,3,6]] – Already visited Node!
[[7,5,2][8,0,1][4,3,6]] – $f(n) = 22 + 8 = 30$
[[7,5,2][8,1,6][4,3,0]] – Already visited Node!

Node Chosen for Level 23 – [[0,1,7][8,5,2][3,6,4]]

Generated Nodes :

[[1,0,7][8,5,2][3,6,4]] – Already visited Node!
[[8,1,7][0,5,2][3,6,4]] – Already visited Node!

Node Chosen for Level 23 – [[1,5,7][8,0,2][3,6,4]]

Generated Nodes :

[[1,0,7][8,5,2][3,6,4]] – Already visited Node!
[[1,5,7][8,2,0][3,6,4]] – $f(n) = 23 + 7 = 30$
[[1,5,7][0,8,2][3,6,4]] – $f(n) = 23 + 7 = 30$
[[1,5,7][8,6,2][3,0,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,2,8][5,0,4][3,1,6]]

Generated Nodes :

[[7,0,8][5,2,4][3,1,6]] – $f(n) = 23 + 8 = 31$
[[7,2,8][5,4,0][3,1,6]] – $f(n) = 23 + 7 = 30$
[[7,2,8][0,5,4][3,1,6]] – Already visited Node!
[[7,2,8][5,1,4][3,0,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[3,7,2][1,0,6][4,5,8]]

Generated Nodes :

[[3,0,2][1,7,6][4,5,8]] – $f(n) = 23 + 7 = 30$
[[3,7,2][1,6,0][4,5,8]] – $f(n) = 23 + 8 = 31$
[[3,7,2][0,1,6][4,5,8]] – $f(n) = 23 + 7 = 30$
[[3,7,2][1,5,6][4,0,8]] – Already visited Node!

Node Chosen for Level 22 – [[4,3,5][7,8,2][1,0,6]]

Generated Nodes :

[[4,3,5][7,0,2][1,8,6]] – Already visited Node!
[[4,3,5][7,8,2][1,6,0]] – $f(n) = 22 + 8 = 30$
[[4,3,5][7,8,2][0,1,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[2,0,1][5,7,8][3,6,4]]

Generated Nodes :

[[2,1,0][5,7,8][3,6,4]] - $f(n) = 22 + 8 = 30$
[[0,2,1][5,7,8][3,6,4]] - Already visited Node!
[[2,7,1][5,0,8][3,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,3,2][7,8,1][6,0,4]]

Generated Nodes :

[[5,3,2][7,0,1][6,8,4]] - Already visited Node!
[[5,3,2][7,8,1][6,4,0]] - $f(n) = 22 + 8 = 30$
[[5,3,2][7,8,1][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[8,4,2][5,3,6][0,7,1]]

Generated Nodes :

[[8,4,2][0,3,6][5,7,1]] - $f(n) = 23 + 7 = 30$
[[8,4,2][5,3,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[3,5,2][7,1,4][0,8,6]]

Generated Nodes :

[[3,5,2][0,1,4][7,8,6]] - Already visited Node!
[[3,5,2][7,1,4][8,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,1,2][3,7,4][5,8,6]]

Generated Nodes :

[[1,0,2][3,7,4][5,8,6]] - Already visited Node!
[[3,1,2][0,7,4][5,8,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,4][5,3,1][0,7,6]]

Generated Nodes :

[[8,2,4][0,3,1][5,7,6]] - $f(n) = 23 + 7 = 30$
[[8,2,4][5,3,1][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][7,1,6][0,4,3]]

Generated Nodes :

[[5,8,2][0,1,6][7,4,3]] - Already visited Node!
[[5,8,2][7,1,6][4,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[1,7,2][8,5,0][4,3,6]]

Generated Nodes :

[[1,7,0][8,5,2][4,3,6]] - $f(n) = 24 + 6 = 30$
[[1,7,2][8,0,5][4,3,6]] - $f(n) = 24 + 7 = 31$
[[1,7,2][8,5,6][4,3,0]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][6,0,4][8,5,3]]

Generated Nodes :

[[7,0,1][6,2,4][8,5,3]] - $f(n) = 23 + 8 = 31$
[[7,2,1][6,4,0][8,5,3]] - $f(n) = 23 + 7 = 30$
[[7,2,1][0,6,4][8,5,3]] - $f(n) = 23 + 7 = 30$
[[7,2,1][6,5,4][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[0,1,7][4,2,5][8,3,6]]

Generated Nodes :

[[1,0,7][4,2,5][8,3,6]] - Already visited Node!
[[4,1,7][0,2,5][8,3,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 24 - [[4,3,2][5,6,0][7,8,1]]

Generated Nodes :

[[4,3,0][5,6,2][7,8,1]] - $f(n) = 24 + 6 = 30$
[[4,3,2][5,0,6][7,8,1]] - Already visited Node!
[[4,3,2][5,6,1][7,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[4,3,2][5,8,6][7,0,1]]

Generated Nodes :

[[4,3,2][5,0,6][7,8,1]] - Already visited Node!
[[4,3,2][5,8,6][7,1,0]] - $f(n) = 24 + 6 = 30$
[[4,3,2][5,8,6][0,7,1]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 22 - [[8,0,1][5,2,7][3,6,4]]

Generated Nodes :

[[8,1,0][5,2,7][3,6,4]] - $f(n) = 22 + 8 = 30$
[[0,8,1][5,2,7][3,6,4]] - $f(n) = 22 + 8 = 30$
[[8,2,1][5,0,7][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,8][7,6,0][3,2,1]]

Generated Nodes :

[[5,4,0][7,6,8][3,2,1]] - $f(n) = 22 + 8 = 30$
[[5,4,8][7,0,6][3,2,1]] - Already visited Node!
[[5,4,8][7,6,1][3,2,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,5][3,6,0][1,2,4]]$

Generated Nodes :

$[[8,7,0][3,6,5][1,2,4]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][3,0,6][1,2,4]] - \text{Already visited Node!}$
 $[[8,7,5][3,6,4][1,2,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,8,5][7,6,0][3,2,1]]$

Generated Nodes :

$[[4,8,0][7,6,5][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][7,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[4,8,5][7,6,1][3,2,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][1,6,0][8,2,3]]$

Generated Nodes :

$[[7,4,0][1,6,5][8,2,3]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][1,0,6][8,2,3]] - \text{Already visited Node!}$
 $[[7,4,5][1,6,3][8,2,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,8][0,1,2][4,3,6]]$

Generated Nodes :

$[[0,5,8][7,1,2][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][1,0,2][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][4,1,2][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,4,8][7,6,0][3,2,1]]$

Generated Nodes :

$[[5,4,0][7,6,8][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[5,4,8][7,0,6][3,2,1]] - \text{Already visited Node!}$
 $[[5,4,8][7,6,1][3,2,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,8,2][3,6,0][1,4,7]]$

Generated Nodes :

$[[5,8,0][3,6,2][1,4,7]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,6][1,4,7]] - \text{Already visited Node!}$
 $[[5,8,2][3,6,7][1,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,8][7,2,3][1,6,4]]$

Generated Nodes :

[[5,8,0][7,2,3][1,6,4]] - $f(n) = 22 + 8 = 30$
[[0,5,8][7,2,3][1,6,4]] - $f(n) = 22 + 8 = 30$
[[5,2,8][7,0,3][1,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,5][3,2,4][6,0,8]]

Generated Nodes :

[[7,1,5][3,0,4][6,2,8]] - $f(n) = 22 + 8 = 30$
[[7,1,5][3,2,4][6,8,0]] - Already visited Node!
[[7,1,5][3,2,4][0,6,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,6][8,1,0][3,4,2]]

Generated Nodes :

[[7,5,0][8,1,6][3,4,2]] - Already visited Node!
[[7,5,6][8,0,1][3,4,2]] - $f(n) = 22 + 8 = 30$
[[7,5,6][8,1,2][3,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,4,5][1,6,0][8,2,3]]

Generated Nodes :

[[7,4,0][1,6,5][8,2,3]] - $f(n) = 22 + 8 = 30$
[[7,4,5][1,0,6][8,2,3]] - Already visited Node!
[[7,4,5][1,6,3][8,2,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][6,8,3][1,0,4]]

Generated Nodes :

[[7,5,2][6,0,3][1,8,4]] - Already visited Node!
[[7,5,2][6,8,3][1,4,0]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,8,3][0,1,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[1,5,2][8,3,4][0,7,6]]

Generated Nodes :

[[1,5,2][0,3,4][8,7,6]] - $f(n) = 23 + 7 = 30$
[[1,5,2][8,3,4][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][3,0,7][1,5,6]]

Generated Nodes :

[[8,0,4][3,2,7][1,5,6]] - $f(n) = 23 + 8 = 31$
[[8,2,4][3,7,0][1,5,6]] - $f(n) = 23 + 7 = 30$
[[8,2,4][0,3,7][1,5,6]] - $f(n) = 23 + 7 = 30$
[[8,2,4][3,5,7][1,0,6]] - Already visited Node!

Node Chosen for Level 24 - $[[1,0,4][5,2,6][8,7,3]]$

Generated Nodes :

$[[1,4,0][5,2,6][8,7,3]] - f(n) = 24 + 6 = 30$
 $[[0,1,4][5,2,6][8,7,3]] - f(n) = 24 + 7 = 31$
 $[[1,2,4][5,0,6][8,7,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,2,4][5,6,0][8,7,3]]$

Generated Nodes :

$[[1,2,0][5,6,4][8,7,3]] - f(n) = 24 + 6 = 30$
 $[[1,2,4][5,0,6][8,7,3]] - \text{Already visited Node!}$
 $[[1,2,4][5,6,3][8,7,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[1,7,2][8,0,3][6,5,4]]$

Generated Nodes :

$[[1,0,2][8,7,3][6,5,4]] - f(n) = 23 + 7 = 30$
 $[[1,7,2][8,3,0][6,5,4]] - f(n) = 23 + 7 = 30$
 $[[1,7,2][0,8,3][6,5,4]] - f(n) = 23 + 7 = 30$
 $[[1,7,2][8,5,3][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,0,4][5,2,6][7,1,3]]$

Generated Nodes :

$[[8,4,0][5,2,6][7,1,3]] - f(n) = 24 + 6 = 30$
 $[[0,8,4][5,2,6][7,1,3]] - f(n) = 24 + 6 = 30$
 $[[8,2,4][5,0,6][7,1,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,2,4][5,6,0][7,1,3]]$

Generated Nodes :

$[[8,2,0][5,6,4][7,1,3]] - f(n) = 24 + 6 = 30$
 $[[8,2,4][5,0,6][7,1,3]] - \text{Already visited Node!}$
 $[[8,2,4][5,6,3][7,1,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,7,5][4,6,0][8,2,3]]$

Generated Nodes :

$[[1,7,0][4,6,5][8,2,3]] - f(n) = 24 + 6 = 30$
 $[[1,7,5][4,0,6][8,2,3]] - \text{Already visited Node!}$
 $[[1,7,5][4,6,3][8,2,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,7,5][0,4,6][8,2,3]]$

Generated Nodes :

[[0,7,5][1,4,6][8,2,3]] - $f(n) = 24 + 7 = 31$
[[1,7,5][4,0,6][8,2,3]] - Already visited Node!
[[1,7,5][8,4,6][0,2,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[7,8,2][4,0,5][3,1,6]]

Generated Nodes :

[[7,0,2][4,8,5][3,1,6]] - $f(n) = 23 + 7 = 30$
[[7,8,2][4,5,0][3,1,6]] - Already visited Node!
[[7,8,2][0,4,5][3,1,6]] - $f(n) = 23 + 8 = 31$
[[7,8,2][4,1,5][3,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[2,7,4][3,5,6][8,0,1]]

Generated Nodes :

[[2,7,4][3,0,6][8,5,1]] - $f(n) = 24 + 7 = 31$
[[2,7,4][3,5,6][8,1,0]] - $f(n) = 24 + 6 = 30$
[[2,7,4][3,5,6][0,8,1]] - Already visited Node!

Node Chosen for Level 24 - [[2,0,4][5,3,6][7,1,8]]

Generated Nodes :

[[2,4,0][5,3,6][7,1,8]] - $f(n) = 24 + 6 = 30$
[[0,2,4][5,3,6][7,1,8]] - Already visited Node!
[[2,3,4][5,0,6][7,1,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,0,4][3,2,6][7,1,8]]

Generated Nodes :

[[5,4,0][3,2,6][7,1,8]] - $f(n) = 24 + 6 = 30$
[[0,5,4][3,2,6][7,1,8]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,6][7,1,8]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][3,6,0][7,1,8]]

Generated Nodes :

[[5,2,0][3,6,4][7,1,8]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,6][7,1,8]] - Already visited Node!
[[5,2,4][3,6,8][7,1,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,4,6][2,5,0][3,8,1]]

Generated Nodes :

[[7,4,0][2,5,6][3,8,1]] - Already visited Node!

$[[7,4,6][2,0,5][3,8,1]] - f(n) = 24 + 7 = 31$
 $[[7,4,6][2,5,1][3,8,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[8,1,2][5,4,6][0,7,3]]$

Generated Nodes :

$[[8,1,2][0,4,6][5,7,3]] - f(n) = 23 + 7 = 30$
 $[[8,1,2][5,4,6][7,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[2,0,4][3,5,7][1,8,6]]$

Generated Nodes :

$[[2,4,0][3,5,7][1,8,6]] - f(n) = 24 + 6 = 30$
 $[[0,2,4][3,5,7][1,8,6]] - \text{Already visited Node!}$
 $[[2,5,4][3,0,7][1,8,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[3,2,4][1,5,7][8,0,6]]$

Generated Nodes :

$[[3,2,4][1,0,7][8,5,6]] - f(n) = 24 + 7 = 31$
 $[[3,2,4][1,5,7][8,6,0]] - f(n) = 24 + 6 = 30$
 $[[3,2,4][1,5,7][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,8,2][0,5,6][3,7,1]]$

Generated Nodes :

$[[0,8,2][4,5,6][3,7,1]] - \text{Already visited Node!}$
 $[[4,8,2][5,0,6][3,7,1]] - f(n) = 24 + 7 = 31$
 $[[4,8,2][3,5,6][0,7,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[2,0,4][8,5,1][7,3,6]]$

Generated Nodes :

$[[2,4,0][8,5,1][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[0,2,4][8,5,1][7,3,6]] - \text{Already visited Node!}$
 $[[2,5,4][8,0,1][7,3,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[2,0,4][8,5,6][3,7,1]]$

Generated Nodes :

$[[2,4,0][8,5,6][3,7,1]] - f(n) = 24 + 6 = 30$
 $[[0,2,4][8,5,6][3,7,1]] - \text{Already visited Node!}$
 $[[2,5,4][8,0,6][3,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 25 - $[[7,2,3][5,0,4][1,8,6]]$

Generated Nodes :

$[[7,0,3] [5,2,4] [1,8,6]] - f(n) = 25 + 6 = 31$
 $[[7,2,3] [5,4,0] [1,8,6]] - f(n) = 25 + 5 = 30$
 $[[7,2,3] [0,5,4] [1,8,6]] - \text{Already visited Node!}$
 $[[7,2,3] [5,8,4] [1,0,6]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[0,2,4] [1,7,6] [5,8,3]]$

Generated Nodes :

$[[2,0,4] [1,7,6] [5,8,3]] - f(n) = 25 + 6 = 31$
 $[[1,2,4] [0,7,6] [5,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[0,1,2] [4,7,6] [5,8,3]]$

Generated Nodes :

$[[1,0,2] [4,7,6] [5,8,3]] - \text{Already visited Node!}$
 $[[4,1,2] [0,7,6] [5,8,3]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 23 - $[[7,2,8] [3,0,5] [4,1,6]]$

Generated Nodes :

$[[7,0,8] [3,2,5] [4,1,6]] - f(n) = 23 + 8 = 31$
 $[[7,2,8] [3,5,0] [4,1,6]] - \text{Already visited Node!}$
 $[[7,2,8] [0,3,5] [4,1,6]] - f(n) = 23 + 7 = 30$
 $[[7,2,8] [3,1,5] [4,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[2,0,6] [5,3,4] [7,8,1]]$

Generated Nodes :

$[[2,6,0] [5,3,4] [7,8,1]] - f(n) = 24 + 6 = 30$
 $[[0,2,6] [5,3,4] [7,8,1]] - \text{Already visited Node!}$
 $[[2,3,6] [5,0,4] [7,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,0,6] [3,2,4] [7,8,1]]$

Generated Nodes :

$[[5,6,0] [3,2,4] [7,8,1]] - f(n) = 24 + 6 = 30$
 $[[0,5,6] [3,2,4] [7,8,1]] - f(n) = 24 + 6 = 30$
 $[[5,2,6] [3,0,4] [7,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,6] [3,8,4] [7,0,1]]$

Generated Nodes :

$[[5,2,6] [3,0,4] [7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6] [3,8,4] [7,1,0]] - f(n) = 24 + 6 = 30$

$[[5,2,6][3,8,4][0,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[2,0,6][5,4,1][7,8,3]]$

Generated Nodes :

$[[2,6,0][5,4,1][7,8,3]] - f(n) = 24 + 6 = 30$
 $[[0,2,6][5,4,1][7,8,3]] - \text{Already visited Node!}$
 $[[2,4,6][5,0,1][7,8,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[8,7,4][2,0,6][3,5,1]]$

Generated Nodes :

$[[8,0,4][2,7,6][3,5,1]] - f(n) = 23 + 7 = 30$
 $[[8,7,4][2,6,0][3,5,1]] - f(n) = 23 + 8 = 31$
 $[[8,7,4][0,2,6][3,5,1]] - f(n) = 23 + 7 = 30$
 $[[8,7,4][2,5,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,2,8][7,0,5][3,1,6]]$

Generated Nodes :

$[[4,0,8][7,2,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][7,5,0][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][0,7,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][7,1,5][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,8][1,0,5][6,3,4]]$

Generated Nodes :

$[[7,0,8][1,2,5][6,3,4]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][1,5,0][6,3,4]] - \text{Already visited Node!}$
 $[[7,2,8][0,1,5][6,3,4]] - f(n) = 23 + 7 = 30$
 $[[7,2,8][1,3,5][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,8][6,0,5][3,1,4]]$

Generated Nodes :

$[[7,0,8][6,2,5][3,1,4]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][6,5,0][3,1,4]] - \text{Already visited Node!}$
 $[[7,2,8][0,6,5][3,1,4]] - \text{Already visited Node!}$
 $[[7,2,8][6,1,5][3,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,8][3,0,5][6,4,1]]$

Generated Nodes :

$[[7,0,8][3,2,5][6,4,1]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][3,5,0][6,4,1]] - \text{Already visited Node!}$

$[[7,2,8][0,3,5][6,4,1]] - f(n) = 23 + 7 = 30$
 $[[7,2,8][3,4,5][6,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - $[[1,2,4][8,0,5][7,3,6]]$

Generated Nodes :

$[[1,0,4][8,2,5][7,3,6]] - f(n) = 25 + 6 = 31$
 $[[1,2,4][8,5,0][7,3,6]] - \text{Already visited Node!}$
 $[[1,2,4][0,8,5][7,3,6]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][8,3,5][7,0,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,2,4][8,0,5][7,3,6]]$

Generated Nodes :

$[[1,0,4][8,2,5][7,3,6]] - f(n) = 25 + 6 = 31$
 $[[1,2,4][8,5,0][7,3,6]] - \text{Already visited Node!}$
 $[[1,2,4][0,8,5][7,3,6]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][8,3,5][7,0,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[7,2,4][5,1,0][3,8,6]]$

Generated Nodes :

$[[7,2,0][5,1,4][3,8,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,4][5,0,1][3,8,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,4][5,1,6][3,8,0]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,0,2][4,1,6][8,5,3]]$

Generated Nodes :

$[[7,2,0][4,1,6][8,5,3]] - \text{Already visited Node!}$
 $[[0,7,2][4,1,6][8,5,3]] - f(n) = 24 + 6 = 30$
 $[[7,1,2][4,0,6][8,5,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,2,6][5,7,0][4,8,1]]$

Generated Nodes :

$[[3,2,0][5,7,6][4,8,1]] - \text{Already visited Node!}$
 $[[3,2,6][5,0,7][4,8,1]] - f(n) = 24 + 6 = 30$
 $[[3,2,6][5,7,1][4,8,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[2,1,4][7,5,8][0,3,6]]$

Generated Nodes :

$[[2,1,4][0,5,8][7,3,6]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,8][3,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,5,4][7,2,8][0,3,6]]

Generated Nodes :

[[1,5,4][0,2,8][7,3,6]] – Already visited Node!
[[1,5,4][7,2,8][3,0,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 – [[2,1,4][7,5,6][0,8,3]]

Generated Nodes :

[[2,1,4][0,5,6][7,8,3]] – Already visited Node!
[[2,1,4][7,5,6][8,0,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[1,5,4][7,2,6][0,8,3]]

Generated Nodes :

[[1,5,4][0,2,6][7,8,3]] – Already visited Node!
[[1,5,4][7,2,6][8,0,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 – [[1,2,6][5,7,0][8,4,3]]

Generated Nodes :

[[1,2,0][5,7,6][8,4,3]] – Already visited Node!
[[1,2,6][5,0,7][8,4,3]] – $f(n) = 24 + 6 = 30$
[[1,2,6][5,7,3][8,4,0]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[7,2,4][1,3,0][5,8,6]]

Generated Nodes :

[[7,2,0][1,3,4][5,8,6]] – Already visited Node!
[[7,2,4][1,0,3][5,8,6]] – $f(n) = 24 + 6 = 30$
[[7,2,4][1,3,6][5,8,0]] – Already visited Node!

Node Chosen for Level 24 – [[7,0,2][4,3,6][8,1,5]]

Generated Nodes :

[[7,2,0][4,3,6][8,1,5]] – Already visited Node!
[[0,7,2][4,3,6][8,1,5]] – $f(n) = 24 + 6 = 30$
[[7,3,2][4,0,6][8,1,5]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[0,4,7][1,5,2][8,3,6]]

Generated Nodes :

[[4,0,7][1,5,2][8,3,6]] – $f(n) = 23 + 7 = 30$
[[1,4,7][0,5,2][8,3,6]] – Already visited Node!

Node Chosen for Level 24 - $[[5,3,2][4,7,6][8,0,1]]$

Generated Nodes :

 $[[5,3,2][4,0,6][8,7,1]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][4,7,6][8,1,0]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][4,7,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,5,8][7,4,2][0,3,6]]$

Generated Nodes :

 $[[1,5,8][0,4,2][7,3,6]] - \text{Already visited Node!}$
 $[[1,5,8][7,4,2][3,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[5,3,2][4,7,6][8,0,1]]$

Generated Nodes :

 $[[5,3,2][4,0,6][8,7,1]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][4,7,6][8,1,0]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][4,7,6][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[3,7,2][1,5,0][4,8,6]]$

Generated Nodes :

 $[[3,7,0][1,5,2][4,8,6]] - f(n) = 24 + 6 = 30$
 $[[3,7,2][1,0,5][4,8,6]] - f(n) = 24 + 7 = 31$
 $[[3,7,2][1,5,6][4,8,0]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,2,6][5,7,0][8,4,3]]$

Generated Nodes :

 $[[1,2,0][5,7,6][8,4,3]] - \text{Already visited Node!}$
 $[[1,2,6][5,0,7][8,4,3]] - f(n) = 24 + 6 = 30$
 $[[1,2,6][5,7,3][8,4,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,7,2][3,4,6][5,0,8]]$

Generated Nodes :

 $[[1,7,2][3,0,6][5,4,8]] - f(n) = 24 + 6 = 30$
 $[[1,7,2][3,4,6][5,8,0]] - \text{Already visited Node!}$
 $[[1,7,2][3,4,6][0,5,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[0,1,2][7,5,8][3,6,4]]$

Generated Nodes :

 $[[1,0,2][7,5,8][3,6,4]] - \text{Already visited Node!}$

$[[7,1,2][0,5,8][3,6,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,8,5][1,6,2][7,3,4]]$

Generated Nodes :

$[[8,0,5][1,6,2][7,3,4]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][0,6,2][7,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[3,5,2][4,7,6][1,0,8]]$

Generated Nodes :

$[[3,5,2][4,0,6][1,7,8]] - f(n) = 24 + 6 = 30$
 $[[3,5,2][4,7,6][1,8,0]] - \text{Already visited Node!}$
 $[[3,5,2][4,7,6][0,1,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,2,7][0,4,5][1,8,6]]$

Generated Nodes :

$[[0,2,7][3,4,5][1,8,6]] - f(n) = 24 + 6 = 30$
 $[[3,2,7][4,0,5][1,8,6]] - \text{Already visited Node!}$
 $[[3,2,7][1,4,5][0,8,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,2,7][4,8,5][1,0,6]]$

Generated Nodes :

$[[3,2,7][4,0,5][1,8,6]] - \text{Already visited Node!}$
 $[[3,2,7][4,8,5][1,6,0]] - f(n) = 24 + 6 = 30$
 $[[3,2,7][4,8,5][0,1,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,6][1,8,0][7,4,3]]$

Generated Nodes :

$[[5,2,0][1,8,6][7,4,3]] - \text{Already visited Node!}$
 $[[5,2,6][1,0,8][7,4,3]] - f(n) = 24 + 6 = 30$
 $[[5,2,6][1,8,3][7,4,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[0,1,3][5,4,2][7,8,6]]$

Generated Nodes :

$[[1,0,3][5,4,2][7,8,6]] - \text{Already visited Node!}$
 $[[5,1,3][0,4,2][7,8,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[1,2,7][0,4,5][8,3,6]]$

Generated Nodes :

$[[0,2,7][1,4,5][8,3,6]] - f(n) = 24 + 7 = 31$
 $[[1,2,7][4,0,5][8,3,6]] - \text{Already visited Node!}$
 $[[1,2,7][8,4,5][0,3,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[4,3,2][7,5,6][0,8,1]]$

Generated Nodes :

$[[4,3,2][0,5,6][7,8,1]] - \text{Already visited Node!}$
 $[[4,3,2][7,5,6][8,0,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - $[[7,5,3][4,8,2][1,0,6]]$

Generated Nodes :

$[[7,5,3][4,0,2][1,8,6]] - \text{Already visited Node!}$
 $[[7,5,3][4,8,2][1,6,0]] - f(n) = 24 + 6 = 30$
 $[[7,5,3][4,8,2][0,1,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,4,3][7,2,6][1,0,8]]$

Generated Nodes :

$[[5,4,3][7,0,6][1,2,8]] - f(n) = 24 + 6 = 30$
 $[[5,4,3][7,2,6][1,8,0]] - \text{Already visited Node!}$
 $[[5,4,3][7,2,6][0,1,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[0,2,4][1,5,6][8,7,3]]$

Generated Nodes :

$[[2,0,4][1,5,6][8,7,3]] - f(n) = 25 + 6 = 31$
 $[[1,2,4][0,5,6][8,7,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[8,2,4][7,5,6][0,1,3]]$

Generated Nodes :

$[[8,2,4][0,5,6][7,1,3]] - \text{Already visited Node!}$
 $[[8,2,4][7,5,6][1,0,3]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[5,0,2][7,1,6][3,8,4]]$

Generated Nodes :

$[[5,2,0][7,1,6][3,8,4]] - \text{Already visited Node!}$
 $[[0,5,2][7,1,6][3,8,4]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][7,0,6][3,8,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[8,2,6][4,7,0][5,3,1]]$

Generated Nodes :

[[8,2,0][4,7,6][5,3,1]] - Already visited Node!
[[8,2,6][4,0,7][5,3,1]] - $f(n) = 24 + 6 = 30$
[[8,2,6][4,7,1][5,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[1,7,2][5,0,8][6,3,4]]

Generated Nodes :

[[1,0,2][5,7,8][6,3,4]] - $f(n) = 23 + 7 = 30$
[[1,7,2][5,8,0][6,3,4]] - $f(n) = 23 + 7 = 30$
[[1,7,2][0,5,8][6,3,4]] - Already visited Node!
[[1,7,2][5,3,8][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[5,0,4][3,2,6][1,8,7]]

Generated Nodes :

[[5,4,0][3,2,6][1,8,7]] - $f(n) = 24 + 6 = 30$
[[0,5,4][3,2,6][1,8,7]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,6][1,8,7]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][3,6,0][1,8,7]]

Generated Nodes :

[[5,2,0][3,6,4][1,8,7]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,6][1,8,7]] - Already visited Node!
[[5,2,4][3,6,7][1,8,0]] - Already visited Node!

Node Chosen for Level 24 - [[2,0,5][4,7,6][8,3,1]]

Generated Nodes :

[[2,5,0][4,7,6][8,3,1]] - $f(n) = 24 + 6 = 30$
[[0,2,5][4,7,6][8,3,1]] - Already visited Node!
[[2,7,5][4,0,6][8,3,1]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,1][7,4,6][3,0,8]]

Generated Nodes :

[[5,2,1][7,0,6][3,4,8]] - Already visited Node!
[[5,2,1][7,4,6][3,8,0]] - Already visited Node!
[[5,2,1][7,4,6][0,3,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[8,2,4][3,0,6][7,5,1]]

Generated Nodes :

[[8,0,4][3,2,6][7,5,1]] - $f(n) = 25 + 6 = 31$
[[8,2,4][3,6,0][7,5,1]] - $f(n) = 25 + 6 = 31$

$[[8,2,4][0,3,6][7,5,1]] - f(n) = 25 + 5 = 30$
 $[[8,2,4][3,5,6][7,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,0,4][3,2,6][1,8,7]]$

Generated Nodes :

$[[5,4,0][3,2,6][1,8,7]] - f(n) = 24 + 6 = 30$
 $[[0,5,4][3,2,6][1,8,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][3,0,6][1,8,7]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,4][3,6,0][1,8,7]]$

Generated Nodes :

$[[5,2,0][3,6,4][1,8,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][3,0,6][1,8,7]] - \text{Already visited Node!}$
 $[[5,2,4][3,6,7][1,8,0]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[1,2,6][4,7,0][5,8,3]]$

Generated Nodes :

$[[1,2,0][4,7,6][5,8,3]] - \text{Already visited Node!}$
 $[[1,2,6][4,0,7][5,8,3]] - f(n) = 26 + 4 = 30$
 $[[1,2,6][4,7,3][5,8,0]] - f(n) = 26 + 4 = 30$

Node Chosen for Level 24 - $[[2,3,4][7,5,6][1,0,8]]$

Generated Nodes :

$[[2,3,4][7,0,6][1,5,8]] - f(n) = 24 + 7 = 31$
 $[[2,3,4][7,5,6][1,8,0]] - \text{Already visited Node!}$
 $[[2,3,4][7,5,6][0,1,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,4,3][7,2,6][1,0,8]]$

Generated Nodes :

$[[5,4,3][7,0,6][1,2,8]] - f(n) = 24 + 6 = 30$
 $[[5,4,3][7,2,6][1,8,0]] - \text{Already visited Node!}$
 $[[5,4,3][7,2,6][0,1,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,3,2][4,6,0][7,1,8]]$

Generated Nodes :

$[[5,3,0][4,6,2][7,1,8]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][4,0,6][7,1,8]] - \text{Already visited Node!}$
 $[[5,3,2][4,6,8][7,1,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,7,4][2,5,6][1,0,8]]$

Generated Nodes :

[[3,7,4][2,0,6][1,5,8]] - $f(n) = 24 + 7 = 31$
[[3,7,4][2,5,6][1,8,0]] - Already visited Node!
[[3,7,4][2,5,6][0,1,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,6][1,5,0][4,3,8]]

Generated Nodes :

[[7,2,0][1,5,6][4,3,8]] - Already visited Node!
[[7,2,6][1,0,5][4,3,8]] - $f(n) = 24 + 7 = 31$
[[7,2,6][1,5,8][4,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,6][8,5,0][4,1,3]]

Generated Nodes :

[[7,2,0][8,5,6][4,1,3]] - Already visited Node!
[[7,2,6][8,0,5][4,1,3]] - $f(n) = 24 + 7 = 31$
[[7,2,6][8,5,3][4,1,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[7,3,0][4,5,2][1,8,6]]

Generated Nodes :

[[7,0,3][4,5,2][1,8,6]] - Already visited Node!
[[7,3,2][4,5,0][1,8,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[0,1,8][4,5,2][7,3,6]]

Generated Nodes :

[[1,0,8][4,5,2][7,3,6]] - Already visited Node!
[[4,1,8][0,5,2][7,3,6]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[3,2,7][4,5,6][1,0,8]]

Generated Nodes :

[[3,2,7][4,0,6][1,5,8]] - $f(n) = 26 + 5 = 31$
[[3,2,7][4,5,6][1,8,0]] - Already visited Node!
[[3,2,7][4,5,6][0,1,8]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 25 - [[7,2,3][6,0,5][1,8,4]]

Generated Nodes :

[[7,0,3][6,2,5][1,8,4]] - $f(n) = 25 + 6 = 31$
[[7,2,3][6,5,0][1,8,4]] - Already visited Node!
[[7,2,3][0,6,5][1,8,4]] - Already visited Node!

$[[7,2,3][6,8,5][1,0,4]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - $[[2,0,5][4,3,6][7,8,1]]$

Generated Nodes :

$[[2,5,0][4,3,6][7,8,1]] - f(n) = 26 + 4 = 30$
 $[[0,2,5][4,3,6][7,8,1]] - \text{Already visited Node!}$
 $[[2,3,5][4,0,6][7,8,1]] - f(n) = 26 + 4 = 30$

Node Chosen for Level 23 - $[[7,6,0][3,2,5][4,8,1]]$

Generated Nodes :

$[[7,0,6][3,2,5][4,8,1]] - \text{Already visited Node!}$
 $[[7,6,5][3,2,0][4,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,7,6][3,2,5][4,8,1]]$

Generated Nodes :

$[[7,0,6][3,2,5][4,8,1]] - \text{Already visited Node!}$
 $[[3,7,6][0,2,5][4,8,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,4,0][5,2,6][3,1,8]]$

Generated Nodes :

$[[7,0,4][5,2,6][3,1,8]] - \text{Already visited Node!}$
 $[[7,4,6][5,2,0][3,1,8]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,7,4][5,2,6][3,1,8]]$

Generated Nodes :

$[[7,0,4][5,2,6][3,1,8]] - \text{Already visited Node!}$
 $[[5,7,4][0,2,6][3,1,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,0][5,6,4][3,1,8]]$

Generated Nodes :

$[[7,0,2][5,6,4][3,1,8]] - f(n) = 23 + 8 = 31$
 $[[7,2,4][5,6,0][3,1,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,4][5,6,8][3,1,0]]$

Generated Nodes :

$[[7,2,4][5,6,0][3,1,8]] - \text{Already visited Node!}$
 $[[7,2,4][5,6,8][3,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,6,0][4,2,1][8,5,3]]$

Generated Nodes :

 $[[7,0,6][4,2,1][8,5,3]]$ - Already visited Node!
 $[[7,6,1][4,2,0][8,5,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,7,6][4,2,1][8,5,3]]$

Generated Nodes :

 $[[7,0,6][4,2,1][8,5,3]]$ - Already visited Node!
 $[[4,7,6][0,2,1][8,5,3]]$ - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,2,6][7,4,1][8,5,3]]$

Generated Nodes :

 $[[2,0,6][7,4,1][8,5,3]]$ - $f(n) = 23 + 8 = 31$
 $[[7,2,6][0,4,1][8,5,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,2,6][8,4,1][0,5,3]]$

Generated Nodes :

 $[[7,2,6][0,4,1][8,5,3]]$ - Already visited Node!
 $[[7,2,6][8,4,1][5,0,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - $[[8,0,2][3,7,5][4,1,6]]$

Generated Nodes :

 $[[8,2,0][3,7,5][4,1,6]]$ - $f(n) = 22 + 7 = 29$
 $[[0,8,2][3,7,5][4,1,6]]$ - $f(n) = 22 + 8 = 30$
 $[[8,7,2][3,0,5][4,1,6]]$ - Already visited Node!

Node Chosen for Level 22 - $[[8,7,2][0,3,5][4,1,6]]$

Generated Nodes :

 $[[0,7,2][8,3,5][4,1,6]]$ - $f(n) = 22 + 8 = 30$
 $[[8,7,2][3,0,5][4,1,6]]$ - Already visited Node!
 $[[8,7,2][4,3,5][0,1,6]]$ - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,7,2][3,1,5][4,0,6]]$

Generated Nodes :

 $[[8,7,2][3,0,5][4,1,6]]$ - Already visited Node!
 $[[8,7,2][3,1,5][4,6,0]]$ - $f(n) = 22 + 8 = 30$
 $[[8,7,2][3,1,5][0,4,6]]$ - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 – [[2,5,4][0,7,6][1,8,3]]

Generated Nodes :

[[0,5,4][2,7,6][1,8,3]] – $f(n) = 24 + 6 = 30$
[[2,5,4][7,0,6][1,8,3]] – Already visited Node!
[[2,5,4][1,7,6][0,8,3]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[3,7,0][5,6,2][4,8,1]]

Generated Nodes :

[[3,0,7][5,6,2][4,8,1]] – $f(n) = 23 + 7 = 30$
[[3,7,2][5,6,0][4,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[3,7,2][5,6,1][4,8,0]]

Generated Nodes :

[[3,7,2][5,6,0][4,8,1]] – Already visited Node!
[[3,7,2][5,6,1][4,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[3,7,2][5,8,6][4,1,0]]

Generated Nodes :

[[3,7,2][5,8,0][4,1,6]] – $f(n) = 23 + 8 = 31$
[[3,7,2][5,8,6][4,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[3,7,2][5,8,6][0,4,1]]

Generated Nodes :

[[3,7,2][0,8,6][5,4,1]] – $f(n) = 23 + 7 = 30$
[[3,7,2][5,8,6][4,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[0,8,2][5,3,6][4,7,1]]

Generated Nodes :

[[8,0,2][5,3,6][4,7,1]] – $f(n) = 23 + 7 = 30$
[[5,8,2][0,3,6][4,7,1]] – Already visited Node!

Node Chosen for Level 24 – [[5,2,4][0,8,6][1,7,3]]

Generated Nodes :

[[0,2,4][5,8,6][1,7,3]] – $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,6][1,7,3]] – Already visited Node!
[[5,2,4][1,8,6][0,7,3]] – Already visited Node!

Node Chosen for Level 24 – [[4,0,2][5,7,6][1,8,3]]

Generated Nodes :

$[4,2,0][5,7,6][1,8,3]$ - $f(n) = 24 + 5 = 29$
 $[0,4,2][5,7,6][1,8,3]$ - Already visited Node!
 $[4,7,2][5,0,6][1,8,3]$ - Already visited Node!

Node Chosen for Level 23 - $[0,7,1][3,2,5][6,8,4]$

Generated Nodes :

$[7,0,1][3,2,5][6,8,4]$ - Already visited Node!
 $[3,7,1][0,2,5][6,8,4]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[7,2,6][5,1,0][4,8,3]$

Generated Nodes :

$[7,2,0][5,1,6][4,8,3]$ - $f(n) = 24 + 5 = 29$
 $[7,2,6][5,0,1][4,8,3]$ - Already visited Node!
 $[7,2,6][5,1,3][4,8,0]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[3,0,2][4,7,6][8,5,1]$

Generated Nodes :

$[3,2,0][4,7,6][8,5,1]$ - $f(n) = 24 + 5 = 29$
 $[0,3,2][4,7,6][8,5,1]$ - $f(n) = 24 + 6 = 30$
 $[3,7,2][4,0,6][8,5,1]$ - Already visited Node!

Node Chosen for Level 23 - $[1,7,0][5,6,2][8,4,3]$

Generated Nodes :

$[1,0,7][5,6,2][8,4,3]$ - $f(n) = 23 + 7 = 30$
 $[1,7,2][5,6,0][8,4,3]$ - Already visited Node!

Node Chosen for Level 23 - $[1,7,2][5,6,3][8,4,0]$

Generated Nodes :

$[1,7,2][5,6,0][8,4,3]$ - Already visited Node!
 $[1,7,2][5,6,3][8,0,4]$ - Already visited Node!

Node Chosen for Level 24 - $[7,2,6][4,1,5][3,0,8]$

Generated Nodes :

$[7,2,6][4,0,5][3,1,8]$ - Already visited Node!
 $[7,2,6][4,1,5][3,8,0]$ - $f(n) = 24 + 5 = 29$
 $[7,2,6][4,1,5][0,3,8]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[0,7,3][1,2,5][8,6,4]]

Generated Nodes :

[[7,0,3][1,2,5][8,6,4]] – Already visited Node!
[[1,7,3][0,2,5][8,6,4]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 22 – [[8,1,2][0,7,4][3,5,6]]

Generated Nodes :

[[0,1,2][8,7,4][3,5,6]] – Already visited Node!
[[8,1,2][7,0,4][3,5,6]] – $f(n) = 22 + 8 = 30$
[[8,1,2][3,7,4][0,5,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,0,2][1,8,4][3,5,6]]

Generated Nodes :

[[7,2,0][1,8,4][3,5,6]] – $f(n) = 22 + 7 = 29$
[[0,7,2][1,8,4][3,5,6]] – Already visited Node!
[[7,8,2][1,0,4][3,5,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 – [[2,4,6][5,0,7][3,8,1]]

Generated Nodes :

[[2,0,6][5,4,7][3,8,1]] – $f(n) = 23 + 7 = 30$
[[2,4,6][5,7,0][3,8,1]] – Already visited Node!
[[2,4,6][0,5,7][3,8,1]] – $f(n) = 23 + 6 = 29$
[[2,4,6][5,8,7][3,0,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[2,4,6][5,7,1][3,8,0]]

Generated Nodes :

[[2,4,6][5,7,0][3,8,1]] – Already visited Node!
[[2,4,6][5,7,1][3,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[2,7,0][5,6,4][3,8,1]]

Generated Nodes :

[[2,0,7][5,6,4][3,8,1]] – $f(n) = 23 + 7 = 30$
[[2,7,4][5,6,0][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[2,7,4][5,6,1][3,8,0]]

Generated Nodes :

[[2,7,4][5,6,0][3,8,1]] – Already visited Node!
[[2,7,4][5,6,1][3,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[2,7,4][5,8,6][0,3,1]]$

Generated Nodes :

$[[2,7,4][0,8,6][5,3,1]] - f(n) = 23 + 7 = 30$
 $[[2,7,4][5,8,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,4,0][3,2,6][8,7,1]]$

Generated Nodes :

$[[5,0,4][3,2,6][8,7,1]] - \text{Already visited Node!}$
 $[[5,4,6][3,2,0][8,7,1]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,5,4][3,2,6][8,7,1]]$

Generated Nodes :

$[[5,0,4][3,2,6][8,7,1]] - \text{Already visited Node!}$
 $[[3,5,4][0,2,6][8,7,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][3,6,4][8,7,1]]$

Generated Nodes :

$[[5,0,2][3,6,4][8,7,1]] - f(n) = 23 + 8 = 31$
 $[[5,2,4][3,6,0][8,7,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][3,6,1][8,7,0]]$

Generated Nodes :

$[[5,2,4][3,6,0][8,7,1]] - \text{Already visited Node!}$
 $[[5,2,4][3,6,1][8,0,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][3,7,4][8,1,6]]$

Generated Nodes :

$[[5,0,2][3,7,4][8,1,6]] - f(n) = 23 + 8 = 31$
 $[[5,2,4][3,7,0][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4][3,0,7][8,1,6]]$

Generated Nodes :

$[[5,0,4][3,2,7][8,1,6]] - f(n) = 23 + 8 = 31$
 $[[5,2,4][3,7,0][8,1,6]] - \text{Already visited Node!}$
 $[[5,2,4][0,3,7][8,1,6]] - f(n) = 23 + 7 = 30$
 $[[5,2,4][3,1,7][8,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[2,4,6][5,0,8][7,3,1]]

Generated Nodes :

[[2,0,6][5,4,8][7,3,1]] – $f(n) = 23 + 7 = 30$
[[2,4,6][5,8,0][7,3,1]] – Already visited Node!
[[2,4,6][0,5,8][7,3,1]] – $f(n) = 23 + 6 = 29$
[[2,4,6][5,3,8][7,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[2,4,6][5,8,1][7,3,0]]

Generated Nodes :

[[2,4,6][5,8,0][7,3,1]] – Already visited Node!
[[2,4,6][5,8,1][7,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[2,8,0][5,6,4][7,3,1]]

Generated Nodes :

[[2,0,8][5,6,4][7,3,1]] – $f(n) = 23 + 7 = 30$
[[2,8,4][5,6,0][7,3,1]] – Already visited Node!

Node Chosen for Level 23 – [[2,8,4][5,6,1][7,3,0]]

Generated Nodes :

[[2,8,4][5,6,0][7,3,1]] – Already visited Node!
[[2,8,4][5,6,1][7,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,4,6][8,0,2][7,3,1]]

Generated Nodes :

[[5,0,6][8,4,2][7,3,1]] – $f(n) = 23 + 7 = 30$
[[5,4,6][8,2,0][7,3,1]] – Already visited Node!
[[5,4,6][0,8,2][7,3,1]] – $f(n) = 23 + 7 = 30$
[[5,4,6][8,3,2][7,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,4,6][8,2,1][7,3,0]]

Generated Nodes :

[[5,4,6][8,2,0][7,3,1]] – Already visited Node!
[[5,4,6][8,2,1][7,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,5,2][8,6,4][7,3,1]]

Generated Nodes :

[[5,0,2][8,6,4][7,3,1]] – Already visited Node!
[[8,5,2][0,6,4][7,3,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,6,2][8,0,4][7,3,1]]$

Generated Nodes :

$[[5,0,2][8,6,4][7,3,1]]$ - Already visited Node!
 $[[5,6,2][8,4,0][7,3,1]]$ - $f(n) = 23 + 7 = 30$
 $[[5,6,2][0,8,4][7,3,1]]$ - $f(n) = 23 + 7 = 30$
 $[[5,6,2][8,3,4][7,0,1]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,4,0][7,2,6][1,3,8]]$

Generated Nodes :

$[[5,0,4][7,2,6][1,3,8]]$ - Already visited Node!
 $[[5,4,6][7,2,0][1,3,8]]$ - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,5,4][7,2,6][1,3,8]]$

Generated Nodes :

$[[5,0,4][7,2,6][1,3,8]]$ - Already visited Node!
 $[[7,5,4][0,2,6][1,3,8]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][7,6,4][1,3,8]]$

Generated Nodes :

$[[5,0,2][7,6,4][1,3,8]]$ - $f(n) = 23 + 8 = 31$
 $[[5,2,4][7,6,0][1,3,8]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,4][7,6,8][1,3,0]]$

Generated Nodes :

$[[5,2,4][7,6,0][1,3,8]]$ - Already visited Node!
 $[[5,2,4][7,6,8][1,0,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,2][4,0,3][1,6,8]]$

Generated Nodes :

$[[7,0,2][4,5,3][1,6,8]]$ - $f(n) = 23 + 6 = 29$
 $[[7,5,2][4,3,0][1,6,8]]$ - $f(n) = 23 + 7 = 30$
 $[[7,5,2][0,4,3][1,6,8]]$ - $f(n) = 23 + 8 = 31$
 $[[7,5,2][4,6,3][1,0,8]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,5,2][4,6,3][0,1,8]]$

Generated Nodes :

$[[7,5,2][0,6,3][4,1,8]]$ - $f(n) = 23 + 8 = 31$

[[7,5,2][4,6,3][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,0][4,8,2][1,3,6]]

Generated Nodes :

[[7,0,5][4,8,2][1,3,6]] - $f(n) = 23 + 7 = 30$

[[7,5,2][4,8,0][1,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,2][4,0,8][1,3,6]]

Generated Nodes :

[[7,0,2][4,5,8][1,3,6]] - $f(n) = 23 + 6 = 29$

[[7,5,2][4,8,0][1,3,6]] - Already visited Node!

[[7,5,2][0,4,8][1,3,6]] - $f(n) = 23 + 8 = 31$

[[7,5,2][4,3,8][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][7,8,6][4,1,3]]

Generated Nodes :

[[5,0,2][7,8,6][4,1,3]] - $f(n) = 23 + 7 = 30$

[[7,5,2][0,8,6][4,1,3]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,6][4,5,3][0,1,8]]

Generated Nodes :

[[7,2,6][0,5,3][4,1,8]] - $f(n) = 25 + 6 = 31$

[[7,2,6][4,5,3][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,0][7,3,6][1,5,8]]

Generated Nodes :

[[2,0,4][7,3,6][1,5,8]] - Already visited Node!

[[2,4,6][7,3,0][1,5,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[2,3,4][7,0,6][1,5,8]]

Generated Nodes :

[[2,0,4][7,3,6][1,5,8]] - Already visited Node!

[[2,3,4][7,6,0][1,5,8]] - $f(n) = 23 + 8 = 31$

[[2,3,4][0,7,6][1,5,8]] - $f(n) = 23 + 7 = 30$

[[2,3,4][7,5,6][1,0,8]] - Already visited Node!

Node Chosen for Level 22 - [[3,0,2][1,7,5][8,6,4]]

Generated Nodes :

$[[3,2,0][1,7,5][8,6,4]] - f(n) = 22 + 7 = 29$
 $[[0,3,2][1,7,5][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,0,5][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,2][0,1,5][8,6,4]]$

Generated Nodes :

$[[0,7,2][3,1,5][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,0,5][8,6,4]] - \text{Already visited Node!}$
 $[[3,7,2][8,1,5][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,7,2][1,6,5][8,0,4]]$

Generated Nodes :

$[[3,7,2][1,0,5][8,6,4]] - \text{Already visited Node!}$
 $[[3,7,2][1,6,5][8,4,0]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,6,5][0,8,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - $[[2,4,0][7,1,6][8,5,3]]$

Generated Nodes :

$[[2,0,4][7,1,6][8,5,3]] - \text{Already visited Node!}$
 $[[2,4,6][7,1,0][8,5,3]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[2,1,4][7,0,6][8,5,3]]$

Generated Nodes :

$[[2,0,4][7,1,6][8,5,3]] - \text{Already visited Node!}$
 $[[2,1,4][7,6,0][8,5,3]] - f(n) = 23 + 8 = 31$
 $[[2,1,4][0,7,6][8,5,3]] - f(n) = 23 + 7 = 30$
 $[[2,1,4][7,5,6][8,0,3]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[4,7,0][8,5,2][3,1,6]]$

Generated Nodes :

$[[4,0,7][8,5,2][3,1,6]] - f(n) = 23 + 7 = 30$
 $[[4,7,2][8,5,0][3,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,1,7][0,4,2][8,3,6]]$

Generated Nodes :

$[[0,1,7][5,4,2][8,3,6]] - \text{Already visited Node!}$
 $[[5,1,7][4,0,2][8,3,6]] - f(n) = 22 + 7 = 29$
 $[[5,1,7][8,4,2][0,3,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - $[[5,3,0][7,6,2][4,8,1]]$

Generated Nodes :

[[5,0,3][7,6,2][4,8,1]] - $f(n) = 23 + 6 = 29$
[[5,3,2][7,6,0][4,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][7,6,1][4,8,0]]

Generated Nodes :

[[5,3,2][7,6,0][4,8,1]] - Already visited Node!
[[5,3,2][7,6,1][4,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[5,3,2][7,8,6][4,1,0]]

Generated Nodes :

[[5,3,2][7,8,0][4,1,6]] - $f(n) = 23 + 8 = 31$
[[5,3,2][7,8,6][4,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][7,8,6][0,4,1]]

Generated Nodes :

[[5,3,2][0,8,6][7,4,1]] - $f(n) = 23 + 6 = 29$
[[5,3,2][7,8,6][4,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,0][2,6,4][3,8,1]]

Generated Nodes :

[[7,0,5][2,6,4][3,8,1]] - $f(n) = 23 + 7 = 30$
[[7,5,4][2,6,0][3,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,4][2,6,1][3,8,0]]

Generated Nodes :

[[7,5,4][2,6,0][3,8,1]] - Already visited Node!
[[7,5,4][2,6,1][3,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[7,5,4][2,8,6][0,3,1]]

Generated Nodes :

[[7,5,4][0,8,6][2,3,1]] - $f(n) = 23 + 7 = 30$
[[7,5,4][2,8,6][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,4][3,0,6][8,2,1]]

Generated Nodes :

$[[7,0,4][3,5,6][8,2,1]] - f(n) = 23 + 6 = 29$
 $[[7,5,4][3,6,0][8,2,1]] - f(n) = 23 + 8 = 31$
 $[[7,5,4][0,3,6][8,2,1]] - f(n) = 23 + 7 = 30$
 $[[7,5,4][3,2,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,4][3,2,6][8,1,0]]$

Generated Nodes :

$[[7,5,4][3,2,0][8,1,6]] - f(n) = 23 + 8 = 31$
 $[[7,5,4][3,2,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[2,6,0][7,5,1][8,3,4]]$

Generated Nodes :

$[[2,0,6][7,5,1][8,3,4]] - \text{Already visited Node!}$
 $[[2,6,1][7,5,0][8,3,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 22 - $[[8,0,2][3,7,5][6,4,1]]$

Generated Nodes :

$[[8,2,0][3,7,5][6,4,1]] - f(n) = 22 + 7 = 29$
 $[[0,8,2][3,7,5][6,4,1]] - f(n) = 22 + 8 = 30$
 $[[8,7,2][3,0,5][6,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,7,2][0,3,5][6,4,1]]$

Generated Nodes :

$[[0,7,2][8,3,5][6,4,1]] - f(n) = 22 + 8 = 30$
 $[[8,7,2][3,0,5][6,4,1]] - \text{Already visited Node!}$
 $[[8,7,2][6,3,5][0,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,2][3,4,5][6,0,1]]$

Generated Nodes :

$[[8,7,2][3,0,5][6,4,1]] - \text{Already visited Node!}$
 $[[8,7,2][3,4,5][6,1,0]] - f(n) = 22 + 8 = 30$
 $[[8,7,2][3,4,5][0,6,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - $[[2,1,0][7,5,4][8,3,6]]$

Generated Nodes :

$[[2,0,1][7,5,4][8,3,6]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,0][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,1,2][0,3,4][5,7,6]]$

Generated Nodes :

$[[0,1,2][8,3,4][5,7,6]] - f(n) = 22 + 8 = 30$
 $[[8,1,2][3,0,4][5,7,6]] - f(n) = 22 + 8 = 30$
 $[[8,1,2][5,3,4][0,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,0,2][1,7,8][6,5,4]]$

Generated Nodes :

$[[3,2,0][1,7,8][6,5,4]] - f(n) = 22 + 7 = 29$
 $[[0,3,2][1,7,8][6,5,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,0,8][6,5,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,2][1,8,0][6,5,4]]$

Generated Nodes :

$[[3,7,0][1,8,2][6,5,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,0,8][6,5,4]] - \text{Already visited Node!}$
 $[[3,7,2][1,8,4][6,5,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,7,2][0,1,8][6,5,4]]$

Generated Nodes :

$[[0,7,2][3,1,8][6,5,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][1,0,8][6,5,4]] - \text{Already visited Node!}$
 $[[3,7,2][6,1,8][0,5,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - $[[5,3,0][7,6,2][4,8,1]]$

Generated Nodes :

$[[5,0,3][7,6,2][4,8,1]] - f(n) = 23 + 6 = 29$
 $[[5,3,2][7,6,0][4,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,3,2][7,6,1][4,8,0]]$

Generated Nodes :

$[[5,3,2][7,6,0][4,8,1]] - \text{Already visited Node!}$
 $[[5,3,2][7,6,1][4,0,8]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[5,3,2][7,8,6][4,1,0]]$

Generated Nodes :

$[[5,3,2][7,8,0][4,1,6]] - f(n) = 23 + 8 = 31$
 $[[5,3,2][7,8,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,3,2][7,8,6][0,4,1]]$

Generated Nodes :

[[5,3,2][0,8,6][7,4,1]] - $f(n) = 23 + 6 = 29$
[[5,3,2][7,8,6][4,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,0][5,7,3][1,8,6]]

Generated Nodes :

[[2,0,4][5,7,3][1,8,6]] - Already visited Node!
[[2,4,3][5,7,0][1,8,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[2,7,4][5,0,3][1,8,6]]

Generated Nodes :

[[2,0,4][5,7,3][1,8,6]] - Already visited Node!
[[2,7,4][5,3,0][1,8,6]] - $f(n) = 23 + 7 = 30$
[[2,7,4][0,5,3][1,8,6]] - $f(n) = 23 + 6 = 29$
[[2,7,4][5,8,3][1,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[5,2,4][1,0,3][8,7,6]]

Generated Nodes :

[[5,0,4][1,2,3][8,7,6]] - $f(n) = 23 + 8 = 31$
[[5,2,4][1,3,0][8,7,6]] - $f(n) = 23 + 7 = 30$
[[5,2,4][0,1,3][8,7,6]] - $f(n) = 23 + 7 = 30$
[[5,2,4][1,7,3][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][1,7,3][8,6,0]]

Generated Nodes :

[[5,2,4][1,7,0][8,6,3]] - $f(n) = 23 + 7 = 30$
[[5,2,4][1,7,3][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,6][4,0,7][3,2,1]]

Generated Nodes :

[[8,0,6][4,5,7][3,2,1]] - $f(n) = 23 + 6 = 29$
[[8,5,6][4,7,0][3,2,1]] - Already visited Node!
[[8,5,6][0,4,7][3,2,1]] - $f(n) = 23 + 8 = 31$
[[8,5,6][4,2,7][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,5,6][4,7,1][3,2,0]]

Generated Nodes :

[[8,5,6][4,7,0][3,2,1]] - Already visited Node!

$[[8,5,6][4,7,1][3,0,2]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,8,5][3,7,6][0,2,1]]$

Generated Nodes :

$[[4,8,5][0,7,6][3,2,1]]$ - Already visited Node!

$[[4,8,5][3,7,6][2,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[2,4,0][5,7,6][8,1,3]]$

Generated Nodes :

$[[2,0,4][5,7,6][8,1,3]]$ - Already visited Node!

$[[2,4,6][5,7,0][8,1,3]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[2,7,4][5,0,6][8,1,3]]$

Generated Nodes :

$[[2,0,4][5,7,6][8,1,3]]$ - Already visited Node!

$[[2,7,4][5,6,0][8,1,3]] - f(n) = 23 + 8 = 31$

$[[2,7,4][0,5,6][8,1,3]] - f(n) = 23 + 6 = 29$

$[[2,7,4][5,1,6][8,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,4,0][7,6,2][1,8,3]]$

Generated Nodes :

$[[5,0,4][7,6,2][1,8,3]] - f(n) = 23 + 7 = 30$

$[[5,4,2][7,6,0][1,8,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,4,2][7,6,3][1,8,0]]$

Generated Nodes :

$[[5,4,2][7,6,0][1,8,3]]$ - Already visited Node!

$[[5,4,2][7,6,3][1,0,8]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[5,4,2][7,8,6][1,3,0]]$

Generated Nodes :

$[[5,4,2][7,8,0][1,3,6]] - f(n) = 23 + 8 = 31$

$[[5,4,2][7,8,6][1,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,4,2][7,8,6][0,1,3]]$

Generated Nodes :

$[[5,4,2][0,8,6][7,1,3]] - f(n) = 23 + 6 = 29$

$[[5,4,2][7,8,6][1,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[8,4,0][5,6,2][7,3,1]]$

Generated Nodes :

$[[8,0,4][5,6,2][7,3,1]] - f(n) = 23 + 7 = 30$
 $[[8,4,2][5,6,0][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,4,2][5,6,1][7,3,0]]$

Generated Nodes :

$[[8,4,2][5,6,0][7,3,1]] - \text{Already visited Node!}$
 $[[8,4,2][5,6,1][7,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,7,2][6,5,1][8,4,0]]$

Generated Nodes :

$[[3,7,2][6,5,0][8,4,1]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][6,5,1][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,4,0][5,2,7][1,8,6]]$

Generated Nodes :

$[[3,0,4][5,2,7][1,8,6]] - \text{Already visited Node!}$
 $[[3,4,7][5,2,0][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,3,4][5,2,7][1,8,6]]$

Generated Nodes :

$[[3,0,4][5,2,7][1,8,6]] - \text{Already visited Node!}$
 $[[5,3,4][0,2,7][1,8,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,2,4][5,8,7][1,6,0]]$

Generated Nodes :

$[[3,2,4][5,8,0][1,6,7]] - f(n) = 23 + 7 = 30$
 $[[3,2,4][5,8,7][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,2,4][5,8,7][0,1,6]]$

Generated Nodes :

$[[3,2,4][0,8,7][5,1,6]] - f(n) = 23 + 7 = 30$
 $[[3,2,4][5,8,7][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,4,0][5,2,7][8,3,6]]$

Generated Nodes :

[[1,0,4][5,2,7][8,3,6]] - Already visited Node!
[[1,4,7][5,2,0][8,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,0][5,6,2][8,4,3]]

Generated Nodes :

[[1,0,7][5,6,2][8,4,3]] - $f(n) = 23 + 7 = 30$
[[1,7,2][5,6,0][8,4,3]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,2][5,6,3][8,4,0]]

Generated Nodes :

[[1,7,2][5,6,0][8,4,3]] - Already visited Node!
[[1,7,2][5,6,3][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,2][3,8,4][5,6,0]]

Generated Nodes :

[[1,7,2][3,8,0][5,6,4]] - $f(n) = 23 + 7 = 30$
[[1,7,2][3,8,4][5,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][7,1,6][4,3,8]]

Generated Nodes :

[[5,0,2][7,1,6][4,3,8]] - $f(n) = 23 + 7 = 30$
[[7,5,2][0,1,6][4,3,8]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,2][3,7,4][1,5,6]]

Generated Nodes :

[[8,2,0][3,7,4][1,5,6]] - $f(n) = 22 + 7 = 29$
[[0,8,2][3,7,4][1,5,6]] - $f(n) = 22 + 8 = 30$
[[8,7,2][3,0,4][1,5,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,2][3,4,0][1,5,6]]

Generated Nodes :

[[8,7,0][3,4,2][1,5,6]] - $f(n) = 22 + 8 = 30$
[[8,7,2][3,0,4][1,5,6]] - Already visited Node!
[[8,7,2][3,4,6][1,5,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,2][0,3,4][1,5,6]]

Generated Nodes :

[[0,7,2][8,3,4][1,5,6]] - $f(n) = 22 + 8 = 30$
[[8,7,2][3,0,4][1,5,6]] - Already visited Node!
[[8,7,2][1,3,4][0,5,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,0,2][5,7,1][8,3,4]]

Generated Nodes :

[[6,2,0][5,7,1][8,3,4]] - $f(n) = 22 + 7 = 29$
[[0,6,2][5,7,1][8,3,4]] - Already visited Node!
[[6,7,2][5,0,1][8,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[6,7,2][5,1,0][8,3,4]]

Generated Nodes :

[[6,7,0][5,1,2][8,3,4]] - $f(n) = 22 + 8 = 30$
[[6,7,2][5,0,1][8,3,4]] - Already visited Node!
[[6,7,2][5,1,4][8,3,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,7,2][5,3,1][8,0,4]]

Generated Nodes :

[[6,7,2][5,0,1][8,3,4]] - Already visited Node!
[[6,7,2][5,3,1][8,4,0]] - $f(n) = 22 + 8 = 30$
[[6,7,2][5,3,1][0,8,4]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[4,3,5][1,7,2][0,8,6]]

Generated Nodes :

[[4,3,5][0,7,2][1,8,6]] - Already visited Node!
[[4,3,5][1,7,2][8,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[8,5,0][4,6,2][3,7,1]]

Generated Nodes :

[[8,0,5][4,6,2][3,7,1]] - $f(n) = 23 + 7 = 30$
[[8,5,2][4,6,0][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][4,6,1][3,7,0]]

Generated Nodes :

[[8,5,2][4,6,0][3,7,1]] - Already visited Node!
[[8,5,2][4,6,1][3,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,2][8,4,6][3,7,1]]

Generated Nodes :

[[5,0,2][8,4,6][3,7,1]] - Already visited Node!
[[8,5,2][0,4,6][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][3,4,6][0,7,1]]

Generated Nodes :

[[8,5,2][0,4,6][3,7,1]] - Already visited Node!
[[8,5,2][3,4,6][7,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,5,2][8,7,6][4,3,1]]

Generated Nodes :

[[5,0,2][8,7,6][4,3,1]] - $f(n) = 23 + 7 = 30$
[[8,5,2][0,7,6][4,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][7,0,6][4,3,1]]

Generated Nodes :

[[8,0,2][7,5,6][4,3,1]] - $f(n) = 23 + 6 = 29$
[[8,5,2][7,6,0][4,3,1]] - $f(n) = 23 + 8 = 31$
[[8,5,2][0,7,6][4,3,1]] - Already visited Node!
[[8,5,2][7,3,6][4,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,2,7][8,1,5][4,3,6]]

Generated Nodes :

[[2,0,7][8,1,5][4,3,6]] - $f(n) = 23 + 8 = 31$
[[8,2,7][0,1,5][4,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][1,0,5][4,3,6]]

Generated Nodes :

[[8,0,7][1,2,5][4,3,6]] - $f(n) = 23 + 8 = 31$
[[8,2,7][1,5,0][4,3,6]] - $f(n) = 23 + 6 = 29$
[[8,2,7][0,1,5][4,3,6]] - Already visited Node!
[[8,2,7][1,3,5][4,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,4,0][5,2,1][7,3,6]]

Generated Nodes :

[[8,0,4][5,2,1][7,3,6]] - Already visited Node!
[[8,4,1][5,2,0][7,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,8,4][5,2,1][7,3,6]]

Generated Nodes :

[[8,0,4][5,2,1][7,3,6]] - Already visited Node!
[[5,8,4][0,2,1][7,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,0][1,6,2][7,4,3]]

Generated Nodes :

[[5,0,8][1,6,2][7,4,3]] - $f(n) = 23 + 7 = 30$
[[5,8,2][1,6,0][7,4,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][1,6,3][7,4,0]]

Generated Nodes :

[[5,8,2][1,6,0][7,4,3]] - Already visited Node!
[[5,8,2][1,6,3][7,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,4,0][5,2,6][3,7,1]]

Generated Nodes :

[[8,0,4][5,2,6][3,7,1]] - Already visited Node!
[[8,4,6][5,2,0][3,7,1]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,8,4][5,2,6][3,7,1]]

Generated Nodes :

[[8,0,4][5,2,6][3,7,1]] - Already visited Node!
[[5,8,4][0,2,6][3,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,0][5,6,4][3,7,1]]

Generated Nodes :

[[8,0,2][5,6,4][3,7,1]] - $f(n) = 23 + 8 = 31$
[[8,2,4][5,6,0][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][5,6,1][3,7,0]]

Generated Nodes :

[[8,2,4][5,6,0][3,7,1]] - Already visited Node!
[[8,2,4][5,6,1][3,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[1,0,2][8,7,6][4,5,3]]

Generated Nodes :

$[[1,2,0][8,7,6][4,5,3]] - f(n) = 24 + 5 = 29$
 $[[0,1,2][8,7,6][4,5,3]] - f(n) = 24 + 7 = 31$
 $[[1,7,2][8,0,6][4,5,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,7,2][0,8,6][4,5,3]]$

Generated Nodes :

$[[0,7,2][1,8,6][4,5,3]] - f(n) = 24 + 7 = 31$
 $[[1,7,2][8,0,6][4,5,3]] - \text{Already visited Node!}$
 $[[1,7,2][4,8,6][0,5,3]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - $[[1,4,0][5,2,3][7,8,6]]$

Generated Nodes :

$[[1,0,4][5,2,3][7,8,6]] - \text{Already visited Node!}$
 $[[1,4,3][5,2,0][7,8,6]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[1,2,4][5,8,3][7,6,0]]$

Generated Nodes :

$[[1,2,4][5,8,0][7,6,3]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][5,8,3][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,3][1,4,0][8,5,6]]$

Generated Nodes :

$[[7,2,0][1,4,3][8,5,6]] - f(n) = 24 + 7 = 31$
 $[[7,2,3][1,0,4][8,5,6]] - \text{Already visited Node!}$
 $[[7,2,3][1,4,6][8,5,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,2,3][0,1,4][8,5,6]]$

Generated Nodes :

$[[0,2,3][7,1,4][8,5,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,3][1,0,4][8,5,6]] - \text{Already visited Node!}$
 $[[7,2,3][8,1,4][0,5,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[0,2,7][8,5,6][4,3,1]]$

Generated Nodes :

$[[2,0,7][8,5,6][4,3,1]] - f(n) = 25 + 6 = 31$
 $[[8,2,7][0,5,6][4,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[4,5,2][1,0,6][7,8,3]]$

Generated Nodes :

```

-----
[[4,0,2][1,5,6][7,8,3]] - f(n) = 25 + 4 = 29
[[4,5,2][1,6,0][7,8,3]] - f(n) = 25 + 6 = 31
[[4,5,2][0,1,6][7,8,3]] - Already visited Node!
[[4,5,2][1,8,6][7,0,3]] - f(n) = 25 + 6 = 31
-----
Node Chosen for Level 23 - [[4,7,2][8,5,3][0,1,6]]

Generated Nodes :
-----
[[4,7,2][0,5,3][8,1,6]] - Already visited Node!
[[4,7,2][8,5,3][1,0,6]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[4,7,2][8,5,1][0,6,3]]

Generated Nodes :
-----
[[4,7,2][0,5,1][8,6,3]] - Already visited Node!
[[4,7,2][8,5,1][6,0,3]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[5,4,3][7,8,2][1,6,0]]

Generated Nodes :
-----
[[5,4,3][7,8,0][1,6,2]] - f(n) = 23 + 7 = 30
[[5,4,3][7,8,2][1,0,6]] - Already visited Node!
-----
Node Chosen for Level 23 - [[5,4,3][7,8,2][0,1,6]]

Generated Nodes :
-----
[[5,4,3][0,8,2][7,1,6]] - f(n) = 23 + 6 = 29
[[5,4,3][7,8,2][1,0,6]] - Already visited Node!
-----
Node Chosen for Level 23 - [[4,8,2][3,5,7][0,1,6]]

Generated Nodes :
-----
[[4,8,2][0,5,7][3,1,6]] - Already visited Node!
[[4,8,2][3,5,7][1,0,6]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[2,4,0][8,5,7][3,1,6]]

Generated Nodes :
-----
[[2,0,4][8,5,7][3,1,6]] - Already visited Node!
[[2,4,7][8,5,0][3,1,6]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 24 - [[5,2,4][0,8,6][1,7,3]]

Generated Nodes :
-----

```

[[0,2,4][5,8,6][1,7,3]] - $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,6][1,7,3]] - Already visited Node!
[[5,2,4][1,8,6][0,7,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,2][1,4,6][5,8,3]]

Generated Nodes :

[[7,2,0][1,4,6][5,8,3]] - $f(n) = 24 + 5 = 29$
[[0,7,2][1,4,6][5,8,3]] - Already visited Node!
[[7,4,2][1,0,6][5,8,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[8,2,4][0,1,6][5,7,3]]

Generated Nodes :

[[0,2,4][8,1,6][5,7,3]] - $f(n) = 24 + 6 = 30$
[[8,2,4][1,0,6][5,7,3]] - $f(n) = 24 + 6 = 30$
[[8,2,4][5,1,6][0,7,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][0,8,6][1,7,3]]

Generated Nodes :

[[0,2,4][5,8,6][1,7,3]] - $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,6][1,7,3]] - Already visited Node!
[[5,2,4][1,8,6][0,7,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,4,0][5,6,2][7,8,3]]

Generated Nodes :

[[1,0,4][5,6,2][7,8,3]] - $f(n) = 25 + 5 = 30$
[[1,4,2][5,6,0][7,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,4,2][5,6,3][7,8,0]]

Generated Nodes :

[[1,4,2][5,6,0][7,8,3]] - Already visited Node!
[[1,4,2][5,6,3][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,4,2][5,8,6][7,3,0]]

Generated Nodes :

[[1,4,2][5,8,0][7,3,6]] - $f(n) = 25 + 6 = 31$
[[1,4,2][5,8,6][7,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][4,6,5][8,0,3]]

Generated Nodes :

[[7,2,1][4,0,5][8,6,3]] - Already visited Node!
[[7,2,1][4,6,5][8,3,0]] - $f(n) = 24 + 6 = 30$
[[7,2,1][4,6,5][0,8,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[4,7,8][3,5,2][0,1,6]]

Generated Nodes :

[[4,7,8][0,5,2][3,1,6]] - Already visited Node!
[[4,7,8][3,5,2][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,2,6][5,0,7][8,3,1]]

Generated Nodes :

[[4,0,6][5,2,7][8,3,1]] - $f(n) = 23 + 8 = 31$
[[4,2,6][5,7,0][8,3,1]] - Already visited Node!
[[4,2,6][0,5,7][8,3,1]] - $f(n) = 23 + 6 = 29$
[[4,2,6][5,3,7][8,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,2,6][5,7,1][8,3,0]]

Generated Nodes :

[[4,2,6][5,7,0][8,3,1]] - Already visited Node!
[[4,2,6][5,7,1][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,2][8,1,6][3,5,4]]

Generated Nodes :

[[7,0,2][8,1,6][3,5,4]] - Already visited Node!
[[8,7,2][0,1,6][3,5,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,1,2][8,0,6][3,5,4]]

Generated Nodes :

[[7,0,2][8,1,6][3,5,4]] - Already visited Node!
[[7,1,2][8,6,0][3,5,4]] - $f(n) = 23 + 8 = 31$
[[7,1,2][0,8,6][3,5,4]] - $f(n) = 23 + 7 = 30$
[[7,1,2][8,5,6][3,0,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[8,2,6][3,0,7][4,5,1]]

Generated Nodes :

[[8,0,6][3,2,7][4,5,1]] - $f(n) = 23 + 8 = 31$
[[8,2,6][3,7,0][4,5,1]] - Already visited Node!
[[8,2,6][0,3,7][4,5,1]] - $f(n) = 23 + 7 = 30$
[[8,2,6][3,5,7][4,0,1]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[8,2,6][3,7,1][4,5,0]]$

Generated Nodes :

$[[8,2,6][3,7,0][4,5,1]]$ - Already visited Node!
 $[[8,2,6][3,7,1][4,0,5]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[2,8,4][7,5,6][3,0,1]]$

Generated Nodes :

$[[2,8,4][7,0,6][3,5,1]]$ - $f(n) = 24 + 7 = 31$
 $[[2,8,4][7,5,6][3,1,0]]$ - $f(n) = 24 + 6 = 30$
 $[[2,8,4][7,5,6][0,3,1]]$ - Already visited Node!

Node Chosen for Level 23 - $[[0,5,2][7,1,3][4,8,6]]$

Generated Nodes :

$[[5,0,2][7,1,3][4,8,6]]$ - $f(n) = 23 + 7 = 30$
 $[[7,5,2][0,1,3][4,8,6]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,5,2][1,0,3][4,8,6]]$

Generated Nodes :

$[[7,0,2][1,5,3][4,8,6]]$ - $f(n) = 23 + 6 = 29$
 $[[7,5,2][1,3,0][4,8,6]]$ - Already visited Node!
 $[[7,5,2][0,1,3][4,8,6]]$ - Already visited Node!
 $[[7,5,2][1,8,3][4,0,6]]$ - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[5,6,0][7,2,1][3,8,4]]$

Generated Nodes :

$[[5,0,6][7,2,1][3,8,4]]$ - Already visited Node!
 $[[5,6,1][7,2,0][3,8,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,6][7,2,1][3,8,4]]$

Generated Nodes :

$[[5,0,6][7,2,1][3,8,4]]$ - Already visited Node!
 $[[7,5,6][0,2,1][3,8,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,7,2][8,4,6][3,1,5]]$

Generated Nodes :

$[[7,0,2][8,4,6][3,1,5]]$ - Already visited Node!
 $[[8,7,2][0,4,6][3,1,5]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,4,2][8,0,6][3,1,5]]

Generated Nodes :

[[7,0,2][8,4,6][3,1,5]] – Already visited Node!
[[7,4,2][8,6,0][3,1,5]] – $f(n) = 23 + 8 = 31$
[[7,4,2][0,8,6][3,1,5]] – $f(n) = 23 + 7 = 30$
[[7,4,2][8,1,6][3,0,5]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,7,0][4,6,2][5,3,1]]

Generated Nodes :

[[8,0,7][4,6,2][5,3,1]] – $f(n) = 23 + 7 = 30$
[[8,7,2][4,6,0][5,3,1]] – Already visited Node!

Node Chosen for Level 23 – [[8,7,2][4,6,1][5,3,0]]

Generated Nodes :

[[8,7,2][4,6,0][5,3,1]] – Already visited Node!
[[8,7,2][4,6,1][5,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,1,0][8,2,6][3,4,5]]

Generated Nodes :

[[7,0,1][8,2,6][3,4,5]] – Already visited Node!
[[7,1,6][8,2,0][3,4,5]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,7,1][8,2,6][3,4,5]]

Generated Nodes :

[[7,0,1][8,2,6][3,4,5]] – Already visited Node!
[[8,7,1][0,2,6][3,4,5]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,6,5][7,3,2][4,8,1]]

Generated Nodes :

[[6,0,5][7,3,2][4,8,1]] – $f(n) = 23 + 7 = 30$
[[7,6,5][0,3,2][4,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,6][7,0,3][1,4,8]]

Generated Nodes :

[[5,0,6][7,2,3][1,4,8]] – $f(n) = 23 + 8 = 31$
[[5,2,6][7,3,0][1,4,8]] – Already visited Node!
[[5,2,6][0,7,3][1,4,8]] – $f(n) = 23 + 7 = 30$

$[[5,2,6][7,4,3][1,0,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,6][7,3,8][1,4,0]]$

Generated Nodes :

$[[5,2,6][7,3,0][1,4,8]] - \text{Already visited Node!}$

$[[5,2,6][7,3,8][1,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,0][1,3,2][4,8,6]]$

Generated Nodes :

$[[7,0,5][1,3,2][4,8,6]] - f(n) = 23 + 7 = 30$

$[[7,5,2][1,3,0][4,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,2][1,0,3][4,8,6]]$

Generated Nodes :

$[[7,0,2][1,5,3][4,8,6]] - f(n) = 23 + 6 = 29$

$[[7,5,2][1,3,0][4,8,6]] - \text{Already visited Node!}$

$[[7,5,2][0,1,3][4,8,6]] - \text{Already visited Node!}$

$[[7,5,2][1,8,3][4,0,6]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[5,2,6][7,0,4][3,1,8]]$

Generated Nodes :

$[[5,0,6][7,2,4][3,1,8]] - f(n) = 23 + 8 = 31$

$[[5,2,6][7,4,0][3,1,8]] - \text{Already visited Node!}$

$[[5,2,6][0,7,4][3,1,8]] - f(n) = 23 + 7 = 30$

$[[5,2,6][7,1,4][3,0,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,2,6][5,0,7][8,3,1]]$

Generated Nodes :

$[[4,0,6][5,2,7][8,3,1]] - f(n) = 23 + 8 = 31$

$[[4,2,6][5,7,0][8,3,1]] - \text{Already visited Node!}$

$[[4,2,6][0,5,7][8,3,1]] - f(n) = 23 + 6 = 29$

$[[4,2,6][5,3,7][8,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,2,6][5,7,1][8,3,0]]$

Generated Nodes :

$[[4,2,6][5,7,0][8,3,1]] - \text{Already visited Node!}$

$[[4,2,6][5,7,1][8,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,4,0][3,6,5][2,8,1]]$

Generated Nodes :

[[7,0,4][3,6,5][2,8,1]] - $f(n) = 23 + 7 = 30$
[[7,4,5][3,6,0][2,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][3,6,1][2,8,0]]

Generated Nodes :

[[7,4,5][3,6,0][2,8,1]] - Already visited Node!
[[7,4,5][3,6,1][2,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[4,2,0][7,6,5][8,3,1]]

Generated Nodes :

[[4,0,2][7,6,5][8,3,1]] - $f(n) = 23 + 8 = 31$
[[4,2,5][7,6,0][8,3,1]] - Already visited Node!

Node Chosen for Level 23 - [[4,2,5][7,6,1][8,3,0]]

Generated Nodes :

[[4,2,5][7,6,0][8,3,1]] - Already visited Node!
[[4,2,5][7,6,1][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,1,3][8,4,0]]

Generated Nodes :

[[5,2,6][7,1,0][8,4,3]] - Already visited Node!
[[5,2,6][7,1,3][8,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,1,0][7,2,4][3,8,6]]

Generated Nodes :

[[5,0,1][7,2,4][3,8,6]] - Already visited Node!
[[5,1,4][7,2,0][3,8,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,1][7,2,4][3,8,6]]

Generated Nodes :

[[5,0,1][7,2,4][3,8,6]] - Already visited Node!
[[7,5,1][0,2,4][3,8,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,6][7,1,3][8,4,0]]

Generated Nodes :

[[5,2,6][7,1,0][8,4,3]] - Already visited Node!

$[[5,2,6][7,1,3][8,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[8,4,2][7,5,6][3,0,1]]$

Generated Nodes :

$[[8,4,2][7,0,6][3,5,1]] - f(n) = 24 + 7 = 31$
 $[[8,4,2][7,5,6][3,1,0]] - f(n) = 24 + 6 = 30$
 $[[8,4,2][7,5,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,2,4][7,5,1][3,0,6]]$

Generated Nodes :

$[[8,2,4][7,0,1][3,5,6]] - f(n) = 24 + 7 = 31$
 $[[8,2,4][7,5,1][3,6,0]] - f(n) = 24 + 6 = 30$
 $[[8,2,4][7,5,1][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,3,2][5,0,6][7,4,8]]$

Generated Nodes :

$[[1,0,2][5,3,6][7,4,8]] - f(n) = 25 + 5 = 30$
 $[[1,3,2][5,6,0][7,4,8]] - f(n) = 25 + 6 = 31$
 $[[1,3,2][0,5,6][7,4,8]] - f(n) = 25 + 4 = 29$
 $[[1,3,2][5,4,6][7,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[4,2,6][5,0,3][7,8,1]]$

Generated Nodes :

$[[4,0,6][5,2,3][7,8,1]] - f(n) = 25 + 6 = 31$
 $[[4,2,6][5,3,0][7,8,1]] - \text{Already visited Node!}$
 $[[4,2,6][0,5,3][7,8,1]] - f(n) = 25 + 4 = 29$
 $[[4,2,6][5,8,3][7,0,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[4,2,6][5,3,1][7,8,0]]$

Generated Nodes :

$[[4,2,6][5,3,0][7,8,1]] - \text{Already visited Node!}$
 $[[4,2,6][5,3,1][7,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[5,2,6][3,4,1][7,8,0]]$

Generated Nodes :

$[[5,2,6][3,4,0][7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,4,1][7,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 23 - $[[4,5,0][7,6,2][3,8,1]]$

Generated Nodes :

[[4,0,5][7,6,2][3,8,1]] - $f(n) = 23 + 7 = 30$
[[4,5,2][7,6,0][3,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,6,1][3,8,0]]

Generated Nodes :

[[4,5,2][7,6,0][3,8,1]] - Already visited Node!
[[4,5,2][7,6,1][3,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[5,1,0][7,2,6][8,3,4]]

Generated Nodes :

[[5,0,1][7,2,6][8,3,4]] - Already visited Node!
[[5,1,6][7,2,0][8,3,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,5,1][7,2,6][8,3,4]]

Generated Nodes :

[[5,0,1][7,2,6][8,3,4]] - Already visited Node!
[[7,5,1][0,2,6][8,3,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - [[1,7,0][4,6,2][5,8,3]]

Generated Nodes :

[[1,0,7][4,6,2][5,8,3]] - $f(n) = 25 + 5 = 30$
[[1,7,2][4,6,0][5,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,2][4,6,3][5,8,0]]

Generated Nodes :

[[1,7,2][4,6,0][5,8,3]] - Already visited Node!
[[1,7,2][4,6,3][5,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,7,2][4,8,6][5,3,0]]

Generated Nodes :

[[1,7,2][4,8,0][5,3,6]] - $f(n) = 25 + 6 = 31$
[[1,7,2][4,8,6][5,0,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,2][4,8,6][0,5,3]]

Generated Nodes :

[[1,7,2][0,8,6][4,5,3]] - Already visited Node!

[[1,7,2][4,8,6][5,0,3]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,5][2,0,6][4,8,3]]

Generated Nodes :

[[1,0,5][2,7,6][4,8,3]] - $f(n) = 25 + 5 = 30$
[[1,7,5][2,6,0][4,8,3]] - $f(n) = 25 + 6 = 31$
[[1,7,5][0,2,6][4,8,3]] - Already visited Node!
[[1,7,5][2,8,6][4,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[4,0,2][1,5,6][7,8,3]]

Generated Nodes :

[[4,2,0][1,5,6][7,8,3]] - $f(n) = 26 + 3 = 29$
[[0,4,2][1,5,6][7,8,3]] - Already visited Node!
[[4,5,2][1,0,6][7,8,3]] - Already visited Node!

Node Chosen for Level 27 - [[0,2,3][7,5,6][4,8,1]]

Generated Nodes :

[[2,0,3][7,5,6][4,8,1]] - $f(n) = 27 + 4 = 31$
[[7,2,3][0,5,6][4,8,1]] - Already visited Node!

Node Chosen for Level 25 - [[8,2,6][4,5,1][3,7,0]]

Generated Nodes :

[[8,2,6][4,5,0][3,7,1]] - Already visited Node!
[[8,2,6][4,5,1][3,0,7]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,6,0][4,2,1][7,8,3]]

Generated Nodes :

[[5,0,6][4,2,1][7,8,3]] - Already visited Node!
[[5,6,1][4,2,0][7,8,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[0,5,6][4,2,1][7,8,3]]

Generated Nodes :

[[5,0,6][4,2,1][7,8,3]] - Already visited Node!
[[4,5,6][0,2,1][7,8,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[4,2,6][7,5,1][3,8,0]]

Generated Nodes :

[[4,2,6][7,5,0][3,8,1]] - Already visited Node!

$[[4,2,6][7,5,1][3,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 22 - $[[4,0,7][5,6,2][8,3,1]]$

Generated Nodes :

$[[4,7,0][5,6,2][8,3,1]]$ - Already visited Node!

$[[0,4,7][5,6,2][8,3,1]] - f(n) = 22 + 8 = 30$

$[[4,6,7][5,0,2][8,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,7,2][5,6,1][8,0,3]]$

Generated Nodes :

$[[4,7,2][5,0,1][8,6,3]] - f(n) = 22 + 8 = 30$

$[[4,7,2][5,6,1][8,3,0]]$ - Already visited Node!

$[[4,7,2][5,6,1][0,8,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,6,1][8,2,0][3,5,4]]$

Generated Nodes :

$[[7,6,0][8,2,1][3,5,4]]$ - Already visited Node!

$[[7,6,1][8,0,2][3,5,4]] - f(n) = 22 + 8 = 30$

$[[7,6,1][8,2,4][3,5,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,6][0,2,1][3,5,4]]$

Generated Nodes :

$[[0,7,6][8,2,1][3,5,4]]$ - Already visited Node!

$[[8,7,6][2,0,1][3,5,4]] - f(n) = 22 + 8 = 30$

$[[8,7,6][3,2,1][0,5,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,0,7][3,6,2][4,5,1]]$

Generated Nodes :

$[[8,7,0][3,6,2][4,5,1]]$ - Already visited Node!

$[[0,8,7][3,6,2][4,5,1]] - f(n) = 22 + 8 = 30$

$[[8,6,7][3,0,2][4,5,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,2][3,6,1][4,0,5]]$

Generated Nodes :

$[[8,7,2][3,0,1][4,6,5]] - f(n) = 22 + 8 = 30$

$[[8,7,2][3,6,1][4,5,0]]$ - Already visited Node!

$[[8,7,2][3,6,1][0,4,5]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,1,4][8,2,0][3,5,6]]$

Generated Nodes :

[[7,1,0][8,2,4][3,5,6]] - Already visited Node!
[[7,1,4][8,0,2][3,5,6]] - $f(n) = 22 + 8 = 30$
[[7,1,4][8,2,6][3,5,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,1][0,2,4][3,5,6]]

Generated Nodes :

[[0,7,1][8,2,4][3,5,6]] - Already visited Node!
[[8,7,1][2,0,4][3,5,6]] - $f(n) = 22 + 8 = 30$
[[8,7,1][3,2,4][0,5,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 - [[5,7,4][0,2,6][1,8,3]]

Generated Nodes :

[[0,7,4][5,2,6][1,8,3]] - Already visited Node!
[[5,7,4][2,0,6][1,8,3]] - $f(n) = 24 + 6 = 30$
[[5,7,4][1,2,6][0,8,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,4][0,8,6][5,1,3]]

Generated Nodes :

[[0,2,4][7,8,6][5,1,3]] - $f(n) = 24 + 6 = 30$
[[7,2,4][8,0,6][5,1,3]] - Already visited Node!
[[7,2,4][5,8,6][0,1,3]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,8][0,2,5][1,6,4]]

Generated Nodes :

[[0,7,8][3,2,5][1,6,4]] - Already visited Node!
[[3,7,8][2,0,5][1,6,4]] - $f(n) = 22 + 8 = 30$
[[3,7,8][1,2,5][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[0,2,6][7,3,5][1,4,8]]

Generated Nodes :

[[2,0,6][7,3,5][1,4,8]] - $f(n) = 23 + 8 = 31$
[[7,2,6][0,3,5][1,4,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,6][1,3,5][0,4,8]]

Generated Nodes :

[[7,2,6][0,3,5][1,4,8]] - Already visited Node!
[[7,2,6][1,3,5][4,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][3,4,5][0,1,8]]$

Generated Nodes :

 $[[7,2,6][0,4,5][3,1,8]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][3,4,5][1,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,2,6][7,1,5][8,4,3]]$

Generated Nodes :

 $[[2,0,6][7,1,5][8,4,3]] - f(n) = 23 + 8 = 31$
 $[[7,2,6][0,1,5][8,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,6][8,1,5][0,4,3]]$

Generated Nodes :

 $[[7,2,6][0,1,5][8,4,3]] - \text{Already visited Node!}$
 $[[7,2,6][8,1,5][4,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][1,4,5][8,3,0]]$

Generated Nodes :

 $[[7,2,6][1,4,0][8,3,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][1,4,5][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,2][7,4,3][8,1,6]]$

Generated Nodes :

 $[[5,2,0][7,4,3][8,1,6]] - f(n) = 22 + 7 = 29$
 $[[0,5,2][7,4,3][8,1,6]] - \text{Already visited Node!}$
 $[[5,4,2][7,0,3][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][8,4,3][1,0,6]]$

Generated Nodes :

 $[[7,5,2][8,0,3][1,4,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][8,4,3][1,6,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][8,4,3][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,6,8][7,2,0][3,4,1]]$

Generated Nodes :

 $[[5,6,0][7,2,8][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][7,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][7,2,1][3,4,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,6][0,2,8][3,4,1]]$

Generated Nodes :

[[0,5,6][7,2,8][3,4,1]] - Already visited Node!
[[7,5,6][2,0,8][3,4,1]] - $f(n) = 22 + 8 = 30$
[[7,5,6][3,2,8][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,2][3,1,0][4,6,8]]$

Generated Nodes :

[[7,5,0][3,1,2][4,6,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,0,1][4,6,8]] - Already visited Node!
[[7,5,2][3,1,8][4,6,0]] - Already visited Node!

Node Chosen for Level 22 - $[[7,5,2][0,3,1][4,6,8]]$

Generated Nodes :

[[0,5,2][7,3,1][4,6,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,0,1][4,6,8]] - Already visited Node!
[[7,5,2][4,3,1][0,6,8]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,2][0,6,1][3,4,8]]$

Generated Nodes :

[[0,5,2][7,6,1][3,4,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,0,1][3,4,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,6,1][0,4,8]] - Already visited Node!

Node Chosen for Level 22 - $[[5,6,4][7,2,0][8,3,1]]$

Generated Nodes :

[[5,6,0][7,2,4][8,3,1]] - Already visited Node!
[[5,6,4][7,0,2][8,3,1]] - Already visited Node!
[[5,6,4][7,2,1][8,3,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,6][0,2,4][8,3,1]]$

Generated Nodes :

[[0,5,6][7,2,4][8,3,1]] - Already visited Node!
[[7,5,6][2,0,4][8,3,1]] - $f(n) = 22 + 8 = 30$
[[7,5,6][8,2,4][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 24 - $[[7,2,6][0,5,1][3,4,8]]$

Generated Nodes :

$[[0,2,6][7,5,1][3,4,8]] - f(n) = 24 + 6 = 30$
 $[[7,2,6][5,0,1][3,4,8]] - f(n) = 24 + 7 = 31$
 $[[7,2,6][3,5,1][0,4,8]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[2,6,5][7,8,0][3,4,1]]$

Generated Nodes :

$[[2,6,0][7,8,5][3,4,1]] - \text{Already visited Node!}$
 $[[2,6,5][7,0,8][3,4,1]] - f(n) = 22 + 8 = 30$
 $[[2,6,5][7,8,1][3,4,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,8,6][0,7,5][3,4,1]]$

Generated Nodes :

$[[0,8,6][2,7,5][3,4,1]] - f(n) = 22 + 8 = 30$
 $[[2,8,6][7,0,5][3,4,1]] - \text{Already visited Node!}$
 $[[2,8,6][3,7,5][0,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,8,6][7,4,5][3,0,1]]$

Generated Nodes :

$[[2,8,6][7,0,5][3,4,1]] - \text{Already visited Node!}$
 $[[2,8,6][7,4,5][3,1,0]] - f(n) = 22 + 8 = 30$
 $[[2,8,6][7,4,5][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,1,5][7,8,0][3,6,4]]$

Generated Nodes :

$[[2,1,0][7,8,5][3,6,4]] - \text{Already visited Node!}$
 $[[2,1,5][7,0,8][3,6,4]] - f(n) = 22 + 8 = 30$
 $[[2,1,5][7,8,4][3,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,8,1][0,7,5][3,6,4]]$

Generated Nodes :

$[[0,8,1][2,7,5][3,6,4]] - f(n) = 22 + 8 = 30$
 $[[2,8,1][7,0,5][3,6,4]] - \text{Already visited Node!}$
 $[[2,8,1][3,7,5][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[2,8,1][7,6,5][3,0,4]]$

Generated Nodes :

$[[2,8,1][7,0,5][3,6,4]] - \text{Already visited Node!}$
 $[[2,8,1][7,6,5][3,4,0]] - f(n) = 22 + 8 = 30$
 $[[2,8,1][7,6,5][0,3,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[2,4,5][7,1,0][8,3,6]]

Generated Nodes :

[[2,4,0][7,1,5][8,3,6]] – Already visited Node!
[[2,4,5][7,0,1][8,3,6]] – $f(n) = 22 + 8 = 30$
[[2,4,5][7,1,6][8,3,0]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 – [[2,1,4][0,7,5][8,3,6]]

Generated Nodes :

[[0,1,4][2,7,5][8,3,6]] – $f(n) = 22 + 8 = 30$
[[2,1,4][7,0,5][8,3,6]] – Already visited Node!
[[2,1,4][8,7,5][0,3,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[2,1,4][7,3,5][8,0,6]]

Generated Nodes :

[[2,1,4][7,0,5][8,3,6]] – Already visited Node!
[[2,1,4][7,3,5][8,6,0]] – $f(n) = 22 + 8 = 30$
[[2,1,4][7,3,5][0,8,6]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 – [[0,4,2][8,7,6][3,5,1]]

Generated Nodes :

[[4,0,2][8,7,6][3,5,1]] – Already visited Node!
[[8,4,2][0,7,6][3,5,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[4,7,2][3,8,6][0,5,1]]

Generated Nodes :

[[4,7,2][0,8,6][3,5,1]] – Already visited Node!
[[4,7,2][3,8,6][5,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 – [[4,0,5][6,7,2][8,3,1]]

Generated Nodes :

[[4,5,0][6,7,2][8,3,1]] – $f(n) = 22 + 8 = 30$
[[0,4,5][6,7,2][8,3,1]] – $f(n) = 22 + 8 = 30$
[[4,7,5][6,0,2][8,3,1]] – Already visited Node!

Node Chosen for Level 22 – [[4,7,5][6,2,0][8,3,1]]

Generated Nodes :

[[4,7,0][6,2,5][8,3,1]] – $f(n) = 22 + 8 = 30$
[[4,7,5][6,0,2][8,3,1]] – Already visited Node!

$[[4,7,5][6,2,1][8,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,7,5][6,3,2][8,0,1]]$

Generated Nodes :

$[[4,7,5][6,0,2][8,3,1]] - \text{Already visited Node!}$

$[[4,7,5][6,3,2][8,1,0]] - f(n) = 22 + 8 = 30$

$[[4,7,5][6,3,2][0,8,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,7,5][8,6,2][3,0,1]]$

Generated Nodes :

$[[4,7,5][8,0,2][3,6,1]] - f(n) = 22 + 8 = 30$

$[[4,7,5][8,6,2][3,1,0]] - f(n) = 22 + 8 = 30$

$[[4,7,5][8,6,2][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[6,0,5][7,4,2][8,3,1]]$

Generated Nodes :

$[[6,5,0][7,4,2][8,3,1]] - f(n) = 22 + 8 = 30$

$[[0,6,5][7,4,2][8,3,1]] - \text{Already visited Node!}$

$[[6,4,5][7,0,2][8,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,0,2][7,4,1][8,6,3]]$

Generated Nodes :

$[[5,2,0][7,4,1][8,6,3]] - f(n) = 22 + 7 = 29$

$[[0,5,2][7,4,1][8,6,3]] - \text{Already visited Node!}$

$[[5,4,2][7,0,1][8,6,3]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][8,4,1][6,0,3]]$

Generated Nodes :

$[[7,5,2][8,0,1][6,4,3]] - f(n) = 22 + 8 = 30$

$[[7,5,2][8,4,1][6,3,0]] - f(n) = 22 + 8 = 30$

$[[7,5,2][8,4,1][0,6,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,6][5,1,4][8,3,0]]$

Generated Nodes :

$[[7,2,6][5,1,0][8,3,4]] - \text{Already visited Node!}$

$[[7,2,6][5,1,4][8,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][5,3,1][8,4,0]]$

Generated Nodes :

[[7,2,6][5,3,0][8,4,1]] - $f(n) = 23 + 7 = 30$
[[7,2,6][5,3,1][8,0,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,4][7,3,2][8,1,6]]

Generated Nodes :

[[5,4,0][7,3,2][8,1,6]] - Already visited Node!
[[0,5,4][7,3,2][8,1,6]] - $f(n) = 22 + 8 = 30$
[[5,3,4][7,0,2][8,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,2][7,4,3][8,1,6]]

Generated Nodes :

[[5,2,0][7,4,3][8,1,6]] - $f(n) = 22 + 7 = 29$
[[0,5,2][7,4,3][8,1,6]] - Already visited Node!
[[5,4,2][7,0,3][8,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,2][0,7,3][8,1,6]]

Generated Nodes :

[[0,4,2][5,7,3][8,1,6]] - $f(n) = 22 + 8 = 30$
[[5,4,2][7,0,3][8,1,6]] - Already visited Node!
[[5,4,2][8,7,3][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,2][7,1,3][8,0,6]]

Generated Nodes :

[[5,4,2][7,0,3][8,1,6]] - Already visited Node!
[[5,4,2][7,1,3][8,6,0]] - $f(n) = 22 + 8 = 30$
[[5,4,2][7,1,3][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,4,8][3,2,0][1,7,6]]

Generated Nodes :

[[5,4,0][3,2,8][1,7,6]] - Already visited Node!
[[5,4,8][3,0,2][1,7,6]] - Already visited Node!
[[5,4,8][3,2,6][1,7,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,5,4][0,2,8][1,7,6]]

Generated Nodes :

[[0,5,4][3,2,8][1,7,6]] - Already visited Node!
[[3,5,4][2,0,8][1,7,6]] - $f(n) = 22 + 8 = 30$
[[3,5,4][1,2,8][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,5,2][0,1,4][3,6,8]]

Generated Nodes :

[[0,5,2][7,1,4][3,6,8]] – Already visited Node!
[[7,5,2][1,0,4][3,6,8]] – $f(n) = 22 + 8 = 30$
[[7,5,2][3,1,4][0,6,8]] – Already visited Node!

Node Chosen for Level 22 – [[5,1,2][7,4,0][3,6,8]]

Generated Nodes :

[[5,1,0][7,4,2][3,6,8]] – $f(n) = 22 + 8 = 30$
[[5,1,2][7,0,4][3,6,8]] – Already visited Node!
[[5,1,2][7,4,8][3,6,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,1,2][0,7,4][3,6,8]]

Generated Nodes :

[[0,1,2][5,7,4][3,6,8]] – $f(n) = 22 + 8 = 30$
[[5,1,2][7,0,4][3,6,8]] – Already visited Node!
[[5,1,2][3,7,4][0,6,8]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,1,2][7,6,4][3,0,8]]

Generated Nodes :

[[5,1,2][7,0,4][3,6,8]] – Already visited Node!
[[5,1,2][7,6,4][3,8,0]] – $f(n) = 22 + 7 = 29$
[[5,1,2][7,6,4][0,3,8]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,4,1][7,2,0][3,6,8]]

Generated Nodes :

[[5,4,0][7,2,1][3,6,8]] – Already visited Node!
[[5,4,1][7,0,2][3,6,8]] – $f(n) = 22 + 8 = 30$
[[5,4,1][7,2,8][3,6,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,5,4][0,2,1][3,6,8]]

Generated Nodes :

[[0,5,4][7,2,1][3,6,8]] – Already visited Node!
[[7,5,4][2,0,1][3,6,8]] – $f(n) = 22 + 8 = 30$
[[7,5,4][3,2,1][0,6,8]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[3,0,5][1,7,2][8,4,6]]

Generated Nodes :

$[[3,5,0][1,7,2][8,4,6]] - f(n) = 22 + 8 = 30$
 $[[0,3,5][1,7,2][8,4,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,0,2][8,4,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,5][1,2,0][8,4,6]]$

Generated Nodes :

$[[3,7,0][1,2,5][8,4,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,0,2][8,4,6]] - \text{Already visited Node!}$
 $[[3,7,5][1,2,6][8,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[3,7,5][0,1,2][8,4,6]]$

Generated Nodes :

$[[0,7,5][3,1,2][8,4,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,0,2][8,4,6]] - \text{Already visited Node!}$
 $[[3,7,5][8,1,2][0,4,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,7,5][1,4,0][8,6,2]]$

Generated Nodes :

$[[3,7,0][1,4,5][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,0,4][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,4,2][8,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,2][1,3,4][8,7,6]]$

Generated Nodes :

$[[5,2,0][1,3,4][8,7,6]] - f(n) = 22 + 7 = 29$
 $[[0,5,2][1,3,4][8,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,3,2][1,0,4][8,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,3,2][1,4,0][8,7,6]]$

Generated Nodes :

$[[5,3,0][1,4,2][8,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,3,2][1,0,4][8,7,6]] - \text{Already visited Node!}$
 $[[5,3,2][1,4,6][8,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,3,2][0,1,4][8,7,6]]$

Generated Nodes :

$[[0,3,2][5,1,4][8,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,3,2][1,0,4][8,7,6]] - \text{Already visited Node!}$
 $[[5,3,2][8,1,4][0,7,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,3,2][1,7,0][8,6,4]]

Generated Nodes :

[[5,3,0][1,7,2][8,6,4]] – $f(n) = 22 + 8 = 30$
[[5,3,2][1,0,7][8,6,4]] – $f(n) = 22 + 8 = 30$
[[5,3,2][1,7,4][8,6,0]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,0][5,4,1][8,3,6]]

Generated Nodes :

[[7,0,2][5,4,1][8,3,6]] – $f(n) = 23 + 8 = 31$
[[7,2,1][5,4,0][8,3,6]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,1][5,3,4][8,6,0]]

Generated Nodes :

[[7,2,1][5,3,0][8,6,4]] – $f(n) = 23 + 7 = 30$
[[7,2,1][5,3,4][8,0,6]] – Already visited Node!

Node Chosen for Level 22 – [[5,0,2][8,4,7][3,1,6]]

Generated Nodes :

[[5,2,0][8,4,7][3,1,6]] – $f(n) = 22 + 7 = 29$
[[0,5,2][8,4,7][3,1,6]] – Already visited Node!
[[5,4,2][8,0,7][3,1,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,5,2][3,4,7][1,0,6]]

Generated Nodes :

[[8,5,2][3,0,7][1,4,6]] – Already visited Node!
[[8,5,2][3,4,7][1,6,0]] – $f(n) = 22 + 8 = 30$
[[8,5,2][3,4,7][0,1,6]] – Already visited Node!

Node Chosen for Level 22 – [[4,0,7][2,8,5][3,1,6]]

Generated Nodes :

[[4,7,0][2,8,5][3,1,6]] – $f(n) = 22 + 8 = 30$
[[0,4,7][2,8,5][3,1,6]] – $f(n) = 22 + 8 = 30$
[[4,8,7][2,0,5][3,1,6]] – Already visited Node!

Node Chosen for Level 22 – [[4,8,7][2,1,5][3,0,6]]

Generated Nodes :

[[4,8,7][2,0,5][3,1,6]] – Already visited Node!
[[4,8,7][2,1,5][3,6,0]] – $f(n) = 22 + 8 = 30$

$[[4,8,7][2,1,5][0,3,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,7][3,2,5][1,0,6]]$

Generated Nodes :

$[[4,8,7][3,0,5][1,2,6]] - f(n) = 22 + 8 = 30$
 $[[4,8,7][3,2,5][1,6,0]] - f(n) = 22 + 8 = 30$
 $[[4,8,7][3,2,5][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,7,5][3,4,1][6,0,2]]$

Generated Nodes :

$[[8,7,5][3,0,1][6,4,2]] - \text{Already visited Node!}$
 $[[8,7,5][3,4,1][6,2,0]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][3,4,1][0,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,6][0,8,4][3,2,1]]$

Generated Nodes :

$[[0,5,6][7,8,4][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,6][8,0,4][3,2,1]] - \text{Already visited Node!}$
 $[[7,5,6][3,8,4][0,2,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,6][8,2,4][3,0,1]]$

Generated Nodes :

$[[7,5,6][8,0,4][3,2,1]] - \text{Already visited Node!}$
 $[[7,5,6][8,2,4][3,1,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,6][8,2,4][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,6][8,4,1][3,0,2]]$

Generated Nodes :

$[[7,5,6][8,0,1][3,4,2]] - f(n) = 22 + 8 = 30$
 $[[7,5,6][8,4,1][3,2,0]] - \text{Already visited Node!}$
 $[[7,5,6][8,4,1][0,3,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,4][2,6,5][8,3,1]]$

Generated Nodes :

$[[7,4,0][2,6,5][8,3,1]] - \text{Already visited Node!}$
 $[[0,7,4][2,6,5][8,3,1]] - f(n) = 22 + 8 = 30$
 $[[7,6,4][2,0,5][8,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][2,6,1][8,0,3]]$

Generated Nodes :

[[7,4,5][2,0,1][8,6,3]] - $f(n) = 22 + 8 = 30$
[[7,4,5][2,6,1][8,3,0]] - Already visited Node!
[[7,4,5][2,6,1][0,8,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,4,1][5,7,0][8,3,6]]

Generated Nodes :

[[2,4,0][5,7,1][8,3,6]] - Already visited Node!
[[2,4,1][5,0,7][8,3,6]] - $f(n) = 22 + 8 = 30$
[[2,4,1][5,7,6][8,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,7,4][5,1,0][8,3,6]]

Generated Nodes :

[[2,7,0][5,1,4][8,3,6]] - $f(n) = 22 + 8 = 30$
[[2,7,4][5,0,1][8,3,6]] - Already visited Node!
[[2,7,4][5,1,6][8,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,7,4][5,3,1][8,0,6]]

Generated Nodes :

[[2,7,4][5,0,1][8,3,6]] - Already visited Node!
[[2,7,4][5,3,1][8,6,0]] - $f(n) = 22 + 8 = 30$
[[2,7,4][5,3,1][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 - [[1,7,2][3,8,5][0,6,4]]

Generated Nodes :

[[1,7,2][0,8,5][3,6,4]] - Already visited Node!
[[1,7,2][3,8,5][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,7,2][8,6,5][3,4,0]]

Generated Nodes :

[[1,7,2][8,6,0][3,4,5]] - $f(n) = 23 + 7 = 30$
[[1,7,2][8,6,5][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,2][8,6,5][0,3,4]]

Generated Nodes :

[[1,7,2][0,6,5][8,3,4]] - $f(n) = 23 + 7 = 30$
[[1,7,2][8,6,5][3,0,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][8,1,3][7,0,6]]

Generated Nodes :

[[5,2,4][8,0,3][7,1,6]] - Already visited Node!
[[5,2,4][8,1,3][7,6,0]] - $f(n) = 24 + 6 = 30$
[[5,2,4][8,1,3][0,7,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 23 - [[7,2,0][3,4,8][1,5,6]]

Generated Nodes :

[[7,0,2][3,4,8][1,5,6]] - $f(n) = 23 + 8 = 31$
[[7,2,8][3,4,0][1,5,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,8][7,3,4][1,5,6]]

Generated Nodes :

[[2,0,8][7,3,4][1,5,6]] - $f(n) = 23 + 8 = 31$
[[7,2,8][0,3,4][1,5,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,8][1,3,4][0,5,6]]

Generated Nodes :

[[7,2,8][0,3,4][1,5,6]] - Already visited Node!
[[7,2,8][1,3,4][5,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,2][5,7,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] - Already visited Node!
[[5,3,2][0,7,6][1,4,8]] - Already visited Node!

Node Chosen for Level 22 - [[8,4,7][5,2,0][3,1,6]]

Generated Nodes :

[[8,4,0][5,2,7][3,1,6]] - Already visited Node!
[[8,4,7][5,0,2][3,1,6]] - Already visited Node!
[[8,4,7][5,2,6][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,8,4][0,2,7][3,1,6]]

Generated Nodes :

[[0,8,4][5,2,7][3,1,6]] - Already visited Node!
[[5,8,4][2,0,7][3,1,6]] - $f(n) = 22 + 8 = 30$
[[5,8,4][3,2,7][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,1][0,2,8][3,6,4]]

Generated Nodes :

[[0,5,1][7,2,8][3,6,4]] - Already visited Node!
[[7,5,1][2,0,8][3,6,4]] - $f(n) = 22 + 8 = 30$
[[7,5,1][3,2,8][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][3,4,0][6,1,8]]

Generated Nodes :

[[7,5,0][3,4,2][6,1,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,0,4][6,1,8]] - Already visited Node!
[[7,5,2][3,4,8][6,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][0,3,4][6,1,8]]

Generated Nodes :

[[0,5,2][7,3,4][6,1,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,0,4][6,1,8]] - Already visited Node!
[[7,5,2][6,3,4][0,1,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][0,1,4][3,6,8]]

Generated Nodes :

[[0,5,2][7,1,4][3,6,8]] - Already visited Node!
[[7,5,2][1,0,4][3,6,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,1,4][0,6,8]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,1][7,6,2][8,4,3]]

Generated Nodes :

[[5,1,0][7,6,2][8,4,3]] - Already visited Node!
[[0,5,1][7,6,2][8,4,3]] - $f(n) = 22 + 8 = 30$
[[5,6,1][7,0,2][8,4,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 - [[0,3,2][5,7,1][6,8,4]]

Generated Nodes :

[[3,0,2][5,7,1][6,8,4]] - Already visited Node!
[[5,3,2][0,7,1][6,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,0][5,1,2][6,8,4]]

Generated Nodes :

[[3,0,7][5,1,2][6,8,4]] - $f(n) = 23 + 7 = 30$
[[3,7,2][5,1,0][6,8,4]] - Already visited Node!

Node Chosen for Level 23 – [[3,7,2][5,1,4][6,8,0]]

Generated Nodes :

[[3,7,2][5,1,0][6,8,4]] – Already visited Node!
[[3,7,2][5,1,4][6,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 24 – [[4,5,2][8,3,6][7,0,1]]

Generated Nodes :

[[4,5,2][8,0,6][7,3,1]] – Already visited Node!
[[4,5,2][8,3,6][7,1,0]] – $f(n) = 24 + 6 = 30$
[[4,5,2][8,3,6][0,7,1]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[5,0,8][4,3,2][7,1,6]]

Generated Nodes :

[[5,8,0][4,3,2][7,1,6]] – Already visited Node!
[[0,5,8][4,3,2][7,1,6]] – $f(n) = 24 + 6 = 30$
[[5,3,8][4,0,2][7,1,6]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[5,0,2][4,8,3][7,1,6]]

Generated Nodes :

[[5,2,0][4,8,3][7,1,6]] – $f(n) = 24 + 5 = 29$
[[0,5,2][4,8,3][7,1,6]] – $f(n) = 24 + 6 = 30$
[[5,8,2][4,0,3][7,1,6]] – Already visited Node!

Node Chosen for Level 24 – [[5,8,2][4,1,3][7,0,6]]

Generated Nodes :

[[5,8,2][4,0,3][7,1,6]] – Already visited Node!
[[5,8,2][4,1,3][7,6,0]] – $f(n) = 24 + 6 = 30$
[[5,8,2][4,1,3][0,7,6]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[7,2,1][0,5,4][3,6,8]]

Generated Nodes :

[[0,2,1][7,5,4][3,6,8]] – $f(n) = 24 + 6 = 30$
[[7,2,1][5,0,4][3,6,8]] – $f(n) = 24 + 7 = 31$
[[7,2,1][3,5,4][0,6,8]] – Already visited Node!

Node Chosen for Level 23 – [[7,3,2][1,0,4][5,8,6]]

Generated Nodes :

[[7,0,2][1,3,4][5,8,6]] - Already visited Node!
[[7,3,2][1,4,0][5,8,6]] - $f(n) = 23 + 7 = 30$
[[7,3,2][0,1,4][5,8,6]] - $f(n) = 23 + 7 = 30$
[[7,3,2][1,8,4][5,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,8,2][5,4,6][1,7,3]]

Generated Nodes :

[[8,0,2][5,4,6][1,7,3]] - $f(n) = 23 + 7 = 30$
[[5,8,2][0,4,6][1,7,3]] - Already visited Node!

Node Chosen for Level 24 - [[1,3,2][5,8,0][7,6,4]]

Generated Nodes :

[[1,3,0][5,8,2][7,6,4]] - $f(n) = 24 + 6 = 30$
[[1,3,2][5,0,8][7,6,4]] - $f(n) = 24 + 6 = 30$
[[1,3,2][5,8,4][7,6,0]] - Already visited Node!

Node Chosen for Level 24 - [[4,7,2][3,5,6][1,0,8]]

Generated Nodes :

[[4,7,2][3,0,6][1,5,8]] - $f(n) = 24 + 7 = 31$
[[4,7,2][3,5,6][1,8,0]] - $f(n) = 24 + 5 = 29$
[[4,7,2][3,5,6][0,1,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][6,3,5][8,4,0]]

Generated Nodes :

[[7,2,1][6,3,0][8,4,5]] - $f(n) = 23 + 7 = 30$
[[7,2,1][6,3,5][8,0,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,0,4][3,6,2][7,8,1]]

Generated Nodes :

[[5,4,0][3,6,2][7,8,1]] - Already visited Node!
[[0,5,4][3,6,2][7,8,1]] - $f(n) = 24 + 6 = 30$
[[5,6,4][3,0,2][7,8,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,4,1][5,3,0][7,8,6]]

Generated Nodes :

[[2,4,0][5,3,1][7,8,6]] - Already visited Node!
[[2,4,1][5,0,3][7,8,6]] - $f(n) = 24 + 6 = 30$
[[2,4,1][5,3,6][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[2,3,4][5,1,0][7,8,6]]

Generated Nodes :

[[2,3,0][5,1,4][7,8,6]] - $f(n) = 24 + 6 = 30$
[[2,3,4][5,0,1][7,8,6]] - Already visited Node!
[[2,3,4][5,1,6][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,4,1][3,2,0][7,8,6]]

Generated Nodes :

[[5,4,0][3,2,1][7,8,6]] - Already visited Node!
[[5,4,1][3,0,2][7,8,6]] - Already visited Node!
[[5,4,1][3,2,6][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[3,5,4][0,2,1][7,8,6]]

Generated Nodes :

[[0,5,4][3,2,1][7,8,6]] - Already visited Node!
[[3,5,4][2,0,1][7,8,6]] - $f(n) = 24 + 6 = 30$
[[3,5,4][7,2,1][0,8,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[5,2,4][3,8,0][7,6,1]]

Generated Nodes :

[[5,2,0][3,8,4][7,6,1]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,8][7,6,1]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,8,1][7,6,0]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,6][0,7,3][4,8,1]]

Generated Nodes :

[[0,2,6][5,7,3][4,8,1]] - $f(n) = 24 + 6 = 30$
[[5,2,6][7,0,3][4,8,1]] - Already visited Node!
[[5,2,6][4,7,3][0,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[8,1,2][7,5,4][3,6,0]]

Generated Nodes :

[[8,1,2][7,5,0][3,6,4]] - $f(n) = 23 + 7 = 30$
[[8,1,2][7,5,4][3,0,6]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,6][0,7,3][4,8,1]]

Generated Nodes :

[[0,2,6][5,7,3][4,8,1]] - $f(n) = 24 + 6 = 30$
[[5,2,6][7,0,3][4,8,1]] - Already visited Node!

$[[5,2,6][4,7,3][0,8,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,2,6][0,7,4][1,8,3]]$

Generated Nodes :

$[[0,2,6][5,7,4][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[5,2,6][7,0,4][1,8,3]] - \text{Already visited Node!}$
 $[[5,2,6][1,7,4][0,8,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[8,2,6][5,3,4][7,0,1]]$

Generated Nodes :

$[[8,2,6][5,0,4][7,3,1]] - \text{Already visited Node!}$
 $[[8,2,6][5,3,4][7,1,0]] - f(n) = 24 + 6 = 30$
 $[[8,2,6][5,3,4][0,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[8,2,6][5,4,1][7,0,3]]$

Generated Nodes :

$[[8,2,6][5,0,1][7,4,3]] - f(n) = 24 + 6 = 30$
 $[[8,2,6][5,4,1][7,3,0]] - \text{Already visited Node!}$
 $[[8,2,6][5,4,1][0,7,3]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[5,0,2][3,1,6][7,4,8]]$

Generated Nodes :

$[[5,2,0][3,1,6][7,4,8]] - f(n) = 24 + 5 = 29$
 $[[0,5,2][3,1,6][7,4,8]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][3,0,6][7,4,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,1,2][0,3,6][7,4,8]]$

Generated Nodes :

$[[0,1,2][5,3,6][7,4,8]] - f(n) = 24 + 6 = 30$
 $[[5,1,2][3,0,6][7,4,8]] - \text{Already visited Node!}$
 $[[5,1,2][7,3,6][0,4,8]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[3,2,4][0,7,6][5,1,8]]$

Generated Nodes :

$[[0,2,4][3,7,6][5,1,8]] - f(n) = 24 + 6 = 30$
 $[[3,2,4][7,0,6][5,1,8]] - f(n) = 24 + 6 = 30$
 $[[3,2,4][5,7,6][0,1,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,0,5][4,1,2][3,8,6]]$

Generated Nodes :

[[7,5,0][4,1,2][3,8,6]] - Already visited Node!
[[0,7,5][4,1,2][3,8,6]] - $f(n) = 24 + 6 = 30$
[[7,1,5][4,0,2][3,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[1,7,2][5,6,3][8,4,0]]

Generated Nodes :

[[1,7,2][5,6,0][8,4,3]] - Already visited Node!
[[1,7,2][5,6,3][8,0,4]] - Already visited Node!

Node Chosen for Level 24 - [[3,0,5][4,7,6][1,2,8]]

Generated Nodes :

[[3,5,0][4,7,6][1,2,8]] - $f(n) = 24 + 6 = 30$
[[0,3,5][4,7,6][1,2,8]] - $f(n) = 24 + 6 = 30$
[[3,7,5][4,0,6][1,2,8]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,5][3,7,2][4,8,6]]

Generated Nodes :

[[1,5,0][3,7,2][4,8,6]] - $f(n) = 24 + 6 = 30$
[[0,1,5][3,7,2][4,8,6]] - $f(n) = 24 + 7 = 31$
[[1,7,5][3,0,2][4,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,5][3,2,0][4,8,6]]

Generated Nodes :

[[1,7,0][3,2,5][4,8,6]] - $f(n) = 24 + 6 = 30$
[[1,7,5][3,0,2][4,8,6]] - Already visited Node!
[[1,7,5][3,2,6][4,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - [[7,2,3][4,1,5][8,6,0]]

Generated Nodes :

[[7,2,3][4,1,0][8,6,5]] - $f(n) = 25 + 5 = 30$
[[7,2,3][4,1,5][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,4][2,0,6][1,5,8]]

Generated Nodes :

[[3,0,4][2,7,6][1,5,8]] - $f(n) = 23 + 7 = 30$
[[3,7,4][2,6,0][1,5,8]] - $f(n) = 23 + 8 = 31$
[[3,7,4][0,2,6][1,5,8]] - Already visited Node!
[[3,7,4][2,5,6][1,0,8]] - Already visited Node!

Node Chosen for Level 23 – [[3,7,4][1,2,6][0,5,8]]

Generated Nodes :

[[3,7,4][0,2,6][1,5,8]] – Already visited Node!
[[3,7,4][1,2,6][5,0,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,2,4][3,6,8][0,1,5]]

Generated Nodes :

[[7,2,4][0,6,8][3,1,5]] – $f(n) = 23 + 7 = 30$
[[7,2,4][3,6,8][1,0,5]] – Already visited Node!

Node Chosen for Level 22 – [[3,0,7][1,4,2][8,5,6]]

Generated Nodes :

[[3,7,0][1,4,2][8,5,6]] – Already visited Node!
[[0,3,7][1,4,2][8,5,6]] – $f(n) = 22 + 8 = 30$
[[3,4,7][1,0,2][8,5,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,0,2][3,1,4][8,5,6]]

Generated Nodes :

[[7,2,0][3,1,4][8,5,6]] – $f(n) = 22 + 7 = 29$
[[0,7,2][3,1,4][8,5,6]] – Already visited Node!
[[7,1,2][3,0,4][8,5,6]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[3,7,2][8,1,4][5,0,6]]

Generated Nodes :

[[3,7,2][8,0,4][5,1,6]] – Already visited Node!
[[3,7,2][8,1,4][5,6,0]] – $f(n) = 22 + 8 = 30$
[[3,7,2][8,1,4][0,5,6]] – Already visited Node!

Node Chosen for Level 23 – [[5,6,0][7,4,2][3,8,1]]

Generated Nodes :

[[5,0,6][7,4,2][3,8,1]] – Already visited Node!
[[5,6,2][7,4,0][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[0,5,6][7,4,2][3,8,1]]

Generated Nodes :

[[5,0,6][7,4,2][3,8,1]] – Already visited Node!
[[7,5,6][0,4,2][3,8,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,4,6][5,7,2][3,8,1]]

Generated Nodes :

[[4,0,6][5,7,2][3,8,1]] – $f(n) = 23 + 7 = 30$
[[5,4,6][0,7,2][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,4,6][3,7,2][0,8,1]]

Generated Nodes :

[[5,4,6][0,7,2][3,8,1]] – Already visited Node!
[[5,4,6][3,7,2][8,0,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[7,5,2][6,0,4][3,8,1]]

Generated Nodes :

[[7,0,2][6,5,4][3,8,1]] – $f(n) = 23 + 6 = 29$
[[7,5,2][6,4,0][3,8,1]] – $f(n) = 23 + 7 = 30$
[[7,5,2][0,6,4][3,8,1]] – Already visited Node!
[[7,5,2][6,8,4][3,0,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[7,5,2][3,6,4][0,8,1]]

Generated Nodes :

[[7,5,2][0,6,4][3,8,1]] – Already visited Node!
[[7,5,2][3,6,4][8,0,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[5,6,0][7,4,2][3,8,1]]

Generated Nodes :

[[5,0,6][7,4,2][3,8,1]] – Already visited Node!
[[5,6,2][7,4,0][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,6,2][7,4,1][3,8,0]]

Generated Nodes :

[[5,6,2][7,4,0][3,8,1]] – Already visited Node!
[[5,6,2][7,4,1][3,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,6,2][5,7,4][3,8,1]]

Generated Nodes :

[[6,0,2][5,7,4][3,8,1]] – $f(n) = 23 + 7 = 30$
[[5,6,2][0,7,4][3,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,6,2][3,7,4][0,8,1]]

Generated Nodes :

[[5,6,2][0,7,4][3,8,1]] – Already visited Node!
[[5,6,2][3,7,4][8,0,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[2,4,5][7,0,3][1,8,6]]

Generated Nodes :

[[2,0,5][7,4,3][1,8,6]] – $f(n) = 23 + 7 = 30$
[[2,4,5][7,3,0][1,8,6]] – Already visited Node!
[[2,4,5][0,7,3][1,8,6]] – $f(n) = 23 + 7 = 30$
[[2,4,5][7,8,3][1,0,6]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,3,4][2,7,5][1,8,6]]

Generated Nodes :

[[3,0,4][2,7,5][1,8,6]] – Already visited Node!
[[2,3,4][0,7,5][1,8,6]] – Already visited Node!

Node Chosen for Level 23 – [[2,3,4][1,7,5][0,8,6]]

Generated Nodes :

[[2,3,4][0,7,5][1,8,6]] – Already visited Node!
[[2,3,4][1,7,5][8,0,6]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 24 – [[7,2,4][0,1,6][5,3,8]]

Generated Nodes :

[[0,2,4][7,1,6][5,3,8]] – $f(n) = 24 + 6 = 30$
[[7,2,4][1,0,6][5,3,8]] – Already visited Node!
[[7,2,4][5,1,6][0,3,8]] – Already visited Node!

Node Chosen for Level 24 – [[7,2,6][4,1,3][8,0,5]]

Generated Nodes :

[[7,2,6][4,0,3][8,1,5]] – Already visited Node!
[[7,2,6][4,1,3][8,5,0]] – Already visited Node!
[[7,2,6][4,1,3][0,8,5]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 – [[0,8,7][3,5,2][4,1,6]]

Generated Nodes :

[[8,0,7][3,5,2][4,1,6]] – Already visited Node!
[[3,8,7][0,5,2][4,1,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 22 – [[3,8,2][0,7,1][6,5,4]]

Generated Nodes :

[[0,8,2][3,7,1][6,5,4]] – Already visited Node!
[[3,8,2][7,0,1][6,5,4]] – $f(n) = 22 + 8 = 30$
[[3,8,2][6,7,1][0,5,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,0,7][3,1,2][6,5,4]]

Generated Nodes :

[[8,7,0][3,1,2][6,5,4]] – Already visited Node!
[[0,8,7][3,1,2][6,5,4]] – $f(n) = 22 + 8 = 30$
[[8,1,7][3,0,2][6,5,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,7,2][3,1,4][6,0,5]]

Generated Nodes :

[[8,7,2][3,0,4][6,1,5]] – $f(n) = 22 + 8 = 30$
[[8,7,2][3,1,4][6,5,0]] – Already visited Node!
[[8,7,2][3,1,4][0,6,5]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,0,2][8,3,1][6,5,4]]

Generated Nodes :

[[7,2,0][8,3,1][6,5,4]] – $f(n) = 22 + 7 = 29$
[[0,7,2][8,3,1][6,5,4]] – Already visited Node!
[[7,3,2][8,0,1][6,5,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,7,2][6,3,1][5,0,4]]

Generated Nodes :

[[8,7,2][6,0,1][5,3,4]] – Already visited Node!
[[8,7,2][6,3,1][5,4,0]] – $f(n) = 22 + 8 = 30$
[[8,7,2][6,3,1][0,5,4]] – Already visited Node!

Node Chosen for Level 22 – [[3,0,7][5,8,2][1,6,4]]

Generated Nodes :

[[3,7,0][5,8,2][1,6,4]] – Already visited Node!
[[0,3,7][5,8,2][1,6,4]] – $f(n) = 22 + 8 = 30$
[[3,8,7][5,0,2][1,6,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[3,7,2][5,6,0][1,4,8]]

Generated Nodes :


```

-----
[[3,7,0][5,6,2][1,4,8]] - f(n) = 22 + 8 = 30
[[3,7,2][5,0,6][1,4,8]] - Already visited Node!
[[3,7,2][5,6,8][1,4,0]] - Already visited Node!
-----
Node Chosen for Level 22 - [[3,7,2][0,6,8][5,1,4]]

Generated Nodes :
-----
[[0,7,2][3,6,8][5,1,4]] - f(n) = 22 + 8 = 30
[[3,7,2][6,0,8][5,1,4]] - f(n) = 22 + 8 = 30
[[3,7,2][5,6,8][0,1,4]] - Already visited Node!
-----
Node Chosen for Level 23 - [[7,5,4][2,0,3][1,8,6]]

Generated Nodes :
-----
[[7,0,4][2,5,3][1,8,6]] - f(n) = 23 + 6 = 29
[[7,5,4][2,3,0][1,8,6]] - f(n) = 23 + 7 = 30
[[7,5,4][0,2,3][1,8,6]] - Already visited Node!
[[7,5,4][2,8,3][1,0,6]] - f(n) = 23 + 8 = 31
-----
Node Chosen for Level 23 - [[7,5,4][1,2,3][0,8,6]]

Generated Nodes :
-----
[[7,5,4][0,2,3][1,8,6]] - Already visited Node!
[[7,5,4][1,2,3][8,0,6]] - f(n) = 23 + 8 = 31
-----
Node Chosen for Level 23 - [[5,2,0][7,8,4][1,6,3]]

Generated Nodes :
-----
[[5,0,2][7,8,4][1,6,3]] - f(n) = 23 + 8 = 31
[[5,2,4][7,8,0][1,6,3]] - Already visited Node!
-----
Node Chosen for Level 23 - [[5,2,4][7,0,8][1,6,3]]

Generated Nodes :
-----
[[5,0,4][7,2,8][1,6,3]] - f(n) = 23 + 8 = 31
[[5,2,4][7,8,0][1,6,3]] - Already visited Node!
[[5,2,4][0,7,8][1,6,3]] - f(n) = 23 + 7 = 30
[[5,2,4][7,6,8][1,0,3]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[0,8,7][4,6,5][3,2,1]]

Generated Nodes :
-----
[[8,0,7][4,6,5][3,2,1]] - Already visited Node!
[[4,8,7][0,6,5][3,2,1]] - f(n) = 23 + 8 = 31
-----

```

Node Chosen for Level 23 – [[8,6,7][4,0,5][3,2,1]]

Generated Nodes :

[[8,0,7][4,6,5][3,2,1]] – Already visited Node!
[[8,6,7][4,5,0][3,2,1]] – $f(n) = 23 + 6 = 29$
[[8,6,7][0,4,5][3,2,1]] – $f(n) = 23 + 8 = 31$
[[8,6,7][4,2,5][3,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,7,5][3,0,6][2,4,1]]

Generated Nodes :

[[8,0,5][3,7,6][2,4,1]] – $f(n) = 23 + 7 = 30$
[[8,7,5][3,6,0][2,4,1]] – $f(n) = 23 + 8 = 31$
[[8,7,5][0,3,6][2,4,1]] – $f(n) = 23 + 7 = 30$
[[8,7,5][3,4,6][2,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[8,7,5][3,4,6][2,1,0]]

Generated Nodes :

[[8,7,5][3,4,0][2,1,6]] – $f(n) = 23 + 8 = 31$
[[8,7,5][3,4,6][2,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[7,5,0][8,2,6][4,3,1]]

Generated Nodes :

[[7,0,5][8,2,6][4,3,1]] – Already visited Node!
[[7,5,6][8,2,0][4,3,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[8,5,0][2,7,6][4,3,1]]

Generated Nodes :

[[8,0,5][2,7,6][4,3,1]] – Already visited Node!
[[8,5,6][2,7,0][4,3,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,8,5][2,7,6][4,3,1]]

Generated Nodes :

[[8,0,5][2,7,6][4,3,1]] – Already visited Node!
[[2,8,5][0,7,6][4,3,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,7,5][2,3,6][4,1,0]]

Generated Nodes :

[[8,7,5][2,3,0][4,1,6]] – $f(n) = 23 + 8 = 31$
[[8,7,5][2,3,6][4,0,1]] – Already visited Node!

Node Chosen for Level 23 - $[[8,7,5][2,3,6][0,4,1]]$

Generated Nodes :

$[[8,7,5][0,3,6][2,4,1]] - f(n) = 23 + 7 = 30$
 $[[8,7,5][2,3,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,4][2,0,6][8,1,3]]$

Generated Nodes :

$[[7,0,4][2,5,6][8,1,3]] - f(n) = 23 + 6 = 29$
 $[[7,5,4][2,6,0][8,1,3]] - f(n) = 23 + 8 = 31$
 $[[7,5,4][0,2,6][8,1,3]] - \text{Already visited Node!}$
 $[[7,5,4][2,1,6][8,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,4][8,2,6][0,1,3]]$

Generated Nodes :

$[[7,5,4][0,2,6][8,1,3]] - \text{Already visited Node!}$
 $[[7,5,4][8,2,6][1,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[2,4,8][5,0,1][7,3,6]]$

Generated Nodes :

$[[2,0,8][5,4,1][7,3,6]] - f(n) = 23 + 7 = 30$
 $[[2,4,8][5,1,0][7,3,6]] - \text{Already visited Node!}$
 $[[2,4,8][0,5,1][7,3,6]] - f(n) = 23 + 6 = 29$
 $[[2,4,8][5,3,1][7,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[2,1,0][5,8,4][7,3,6]]$

Generated Nodes :

$[[2,0,1][5,8,4][7,3,6]] - f(n) = 23 + 7 = 30$
 $[[2,1,4][5,8,0][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[2,1,4][5,3,8][7,6,0]]$

Generated Nodes :

$[[2,1,4][5,3,0][7,6,8]] - f(n) = 23 + 7 = 30$
 $[[2,1,4][5,3,8][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,1,0][3,8,2][7,6,4]]$

Generated Nodes :

$[[5,0,1][3,8,2][7,6,4]] - f(n) = 23 + 7 = 30$

[[5,1,2][3,8,0][7,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,1,2][3,0,8][7,6,4]]

Generated Nodes :

[[5,0,2][3,1,8][7,6,4]] - $f(n) = 23 + 7 = 30$
[[5,1,2][3,8,0][7,6,4]] - Already visited Node!
[[5,1,2][0,3,8][7,6,4]] - $f(n) = 23 + 7 = 30$
[[5,1,2][3,6,8][7,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,6][5,4,7][3,1,0]]

Generated Nodes :

[[8,2,6][5,4,0][3,1,7]] - $f(n) = 23 + 7 = 30$
[[8,2,6][5,4,7][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,6][5,4,7][0,3,1]]

Generated Nodes :

[[8,2,6][0,4,7][5,3,1]] - $f(n) = 23 + 7 = 30$
[[8,2,6][5,4,7][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,6][5,0,1][3,7,4]]

Generated Nodes :

[[8,0,6][5,2,1][3,7,4]] - $f(n) = 23 + 8 = 31$
[[8,2,6][5,1,0][3,7,4]] - $f(n) = 23 + 7 = 30$
[[8,2,6][0,5,1][3,7,4]] - $f(n) = 23 + 6 = 29$
[[8,2,6][5,7,1][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,6][5,7,1][0,3,4]]

Generated Nodes :

[[8,2,6][0,7,1][5,3,4]] - $f(n) = 23 + 7 = 30$
[[8,2,6][5,7,1][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[0,3,2][5,7,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] - Already visited Node!
[[5,3,2][0,7,6][1,4,8]] - Already visited Node!

Node Chosen for Level 23 - [[0,7,2][3,4,6][5,1,8]]

Generated Nodes :

$[[7,0,2][3,4,6][5,1,8]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][0,4,6][5,1,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,6,2][7,0,1][4,8,3]]$

Generated Nodes :

$[[5,0,2][7,6,1][4,8,3]] - \text{Already visited Node!}$
 $[[5,6,2][7,1,0][4,8,3]] - f(n) = 23 + 7 = 30$
 $[[5,6,2][0,7,1][4,8,3]] - f(n) = 23 + 7 = 30$
 $[[5,6,2][7,8,1][4,0,3]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[7,5,0][6,1,2][4,8,3]]$

Generated Nodes :

$[[7,0,5][6,1,2][4,8,3]] - f(n) = 23 + 7 = 30$
 $[[7,5,2][6,1,0][4,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,2][6,1,3][4,8,0]]$

Generated Nodes :

$[[7,5,2][6,1,0][4,8,3]] - \text{Already visited Node!}$
 $[[7,5,2][6,1,3][4,0,8]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,7,5][4,6,2][3,1,8]]$

Generated Nodes :

$[[7,0,5][4,6,2][3,1,8]] - \text{Already visited Node!}$
 $[[4,7,5][0,6,2][3,1,8]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[7,6,5][4,0,2][3,1,8]]$

Generated Nodes :

$[[7,0,5][4,6,2][3,1,8]] - \text{Already visited Node!}$
 $[[7,6,5][4,2,0][3,1,8]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][0,4,2][3,1,8]] - f(n) = 23 + 8 = 31$
 $[[7,6,5][4,1,2][3,0,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,2][4,0,8][3,6,1]]$

Generated Nodes :

$[[7,0,2][4,5,8][3,6,1]] - f(n) = 23 + 6 = 29$
 $[[7,5,2][4,8,0][3,6,1]] - f(n) = 23 + 7 = 30$
 $[[7,5,2][0,4,8][3,6,1]] - f(n) = 23 + 8 = 31$
 $[[7,5,2][4,6,8][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,2][4,6,8][0,3,1]]$

Generated Nodes :

[[7,5,2][0,6,8][4,3,1]] - $f(n) = 23 + 8 = 31$
[[7,5,2][4,6,8][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,0][4,8,5][1,6,2]]

Generated Nodes :

[[3,0,7][4,8,5][1,6,2]] - $f(n) = 23 + 7 = 30$
[[3,7,5][4,8,0][1,6,2]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][4,0,8][1,6,2]]

Generated Nodes :

[[3,0,5][4,7,8][1,6,2]] - $f(n) = 23 + 7 = 30$
[[3,7,5][4,8,0][1,6,2]] - Already visited Node!
[[3,7,5][0,4,8][1,6,2]] - $f(n) = 23 + 8 = 31$
[[3,7,5][4,6,8][1,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,0][3,4,6][1,2,8]]

Generated Nodes :

[[7,0,5][3,4,6][1,2,8]] - Already visited Node!
[[7,5,6][3,4,0][1,2,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,7,5][3,4,6][1,2,8]]

Generated Nodes :

[[7,0,5][3,4,6][1,2,8]] - Already visited Node!
[[3,7,5][0,4,6][1,2,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,5][7,3,6][1,2,8]]

Generated Nodes :

[[4,0,5][7,3,6][1,2,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,3,6][1,2,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][1,3,6][0,2,8]]

Generated Nodes :

[[7,4,5][0,3,6][1,2,8]] - Already visited Node!
[[7,4,5][1,3,6][2,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,5][7,2,6][3,1,8]]

Generated Nodes :

[[4,0,5][7,2,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,2,6][3,1,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][2,0,6][3,1,8]]

Generated Nodes :

[[7,0,5][2,4,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][2,6,0][3,1,8]] - $f(n) = 23 + 8 = 31$
[[7,4,5][0,2,6][3,1,8]] - Already visited Node!
[[7,4,5][2,1,6][3,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,2][5,7,6][1,4,8]]

Generated Nodes :

[[3,0,2][5,7,6][1,4,8]] - Already visited Node!
[[5,3,2][0,7,6][1,4,8]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][1,7,6][0,4,8]]

Generated Nodes :

[[5,3,2][0,7,6][1,4,8]] - Already visited Node!
[[5,3,2][1,7,6][4,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,7][3,4,5][1,6,0]]

Generated Nodes :

[[8,2,7][3,4,0][1,6,5]] - $f(n) = 23 + 7 = 30$
[[8,2,7][3,4,5][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,0][3,4,6][1,2,8]]

Generated Nodes :

[[7,0,5][3,4,6][1,2,8]] - Already visited Node!
[[7,5,6][3,4,0][1,2,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,7,5][3,4,6][1,2,8]]

Generated Nodes :

[[7,0,5][3,4,6][1,2,8]] - Already visited Node!
[[3,7,5][0,4,6][1,2,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,5][7,3,6][1,2,8]]

Generated Nodes :

[[4,0,5][7,3,6][1,2,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,3,6][1,2,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][1,3,6][0,2,8]]

Generated Nodes :

[[7,4,5][0,3,6][1,2,8]] - Already visited Node!
[[7,4,5][1,3,6][2,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,5][7,2,6][3,1,8]]

Generated Nodes :

[[4,0,5][7,2,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,2,6][3,1,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][2,0,6][3,1,8]]

Generated Nodes :

[[7,0,5][2,4,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[7,4,5][2,6,0][3,1,8]] - $f(n) = 23 + 8 = 31$
[[7,4,5][0,2,6][3,1,8]] - Already visited Node!
[[7,4,5][2,1,6][3,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - [[5,2,6][4,3,8][7,1,0]]

Generated Nodes :

[[5,2,6][4,3,0][7,1,8]] - $f(n) = 25 + 5 = 30$
[[5,2,6][4,3,8][7,0,1]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,6][4,5,8][0,3,1]]

Generated Nodes :

[[7,2,6][0,5,8][4,3,1]] - $f(n) = 25 + 6 = 31$
[[7,2,6][4,5,8][3,0,1]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,3][8,1,5][6,0,4]]

Generated Nodes :

[[7,2,3][8,0,5][6,1,4]] - $f(n) = 24 + 6 = 30$
[[7,2,3][8,1,5][6,4,0]] - $f(n) = 24 + 6 = 30$
[[7,2,3][8,1,5][0,6,4]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,3][1,6,0][8,4,5]]

Generated Nodes :

[[7,2,0][1,6,3][8,4,5]] - $f(n) = 24 + 7 = 31$
[[7,2,3][1,0,6][8,4,5]] - $f(n) = 24 + 5 = 29$
[[7,2,3][1,6,5][8,4,0]] - Already visited Node!

Node Chosen for Level 25 - [[0,5,1][4,6,2][7,8,3]]

Generated Nodes :

[[5,0,1][4,6,2][7,8,3]] - Already visited Node!
[[4,5,1][0,6,2][7,8,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,6,1][4,0,2][7,8,3]]

Generated Nodes :

[[5,0,1][4,6,2][7,8,3]] - Already visited Node!
[[5,6,1][4,2,0][7,8,3]] - $f(n) = 25 + 5 = 30$
[[5,6,1][0,4,2][7,8,3]] - $f(n) = 25 + 6 = 31$
[[5,6,1][4,8,2][7,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 22 - [[8,0,6][2,7,5][3,4,1]]

Generated Nodes :

[[8,6,0][2,7,5][3,4,1]] - $f(n) = 22 + 8 = 30$
[[0,8,6][2,7,5][3,4,1]] - $f(n) = 22 + 8 = 30$
[[8,7,6][2,0,5][3,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,6][2,4,5][3,0,1]]

Generated Nodes :

[[8,7,6][2,0,5][3,4,1]] - Already visited Node!
[[8,7,6][2,4,5][3,1,0]] - $f(n) = 22 + 8 = 30$
[[8,7,6][2,4,5][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,6][3,2,5][4,0,1]]

Generated Nodes :

[[8,7,6][3,0,5][4,2,1]] - $f(n) = 22 + 8 = 30$
[[8,7,6][3,2,5][4,1,0]] - $f(n) = 22 + 8 = 30$
[[8,7,6][3,2,5][0,4,1]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,7][0,6,2][3,4,1]]

Generated Nodes :

[[0,8,7][5,6,2][3,4,1]] - Already visited Node!
[[5,8,7][6,0,2][3,4,1]] - $f(n) = 22 + 8 = 30$
[[5,8,7][3,6,2][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,6,7][5,2,0][3,4,1]]$

Generated Nodes :

$[[8,6,0][5,2,7][3,4,1]] - f(n) = 22 + 8 = 30$
 $[[8,6,7][5,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[8,6,7][5,2,1][3,4,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,6,7][5,4,2][3,0,1]]$

Generated Nodes :

$[[8,6,7][5,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[8,6,7][5,4,2][3,1,0]] - f(n) = 22 + 8 = 30$
 $[[8,6,7][5,4,2][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,0,7][5,8,2][1,6,4]]$

Generated Nodes :

$[[3,7,0][5,8,2][1,6,4]] - \text{Already visited Node!}$
 $[[0,3,7][5,8,2][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,8,7][5,0,2][1,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,2][3,8,4][5,1,6]]$

Generated Nodes :

$[[7,2,0][3,8,4][5,1,6]] - f(n) = 22 + 7 = 29$
 $[[0,7,2][3,8,4][5,1,6]] - \text{Already visited Node!}$
 $[[7,8,2][3,0,4][5,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,0,2][8,7,4][5,1,6]]$

Generated Nodes :

$[[3,2,0][8,7,4][5,1,6]] - f(n) = 22 + 7 = 29$
 $[[0,3,2][8,7,4][5,1,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][8,0,4][5,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,2][8,4,0][5,1,6]]$

Generated Nodes :

$[[3,7,0][8,4,2][5,1,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,2][8,0,4][5,1,6]] - \text{Already visited Node!}$
 $[[3,7,2][8,4,6][5,1,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[3,7,2][8,1,4][5,0,6]]$

Generated Nodes :

[[3,7,2][8,0,4][5,1,6]] - Already visited Node!
[[3,7,2][8,1,4][5,6,0]] - $f(n) = 22 + 8 = 30$
[[3,7,2][8,1,4][0,5,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,1][2,7,5][3,6,4]]

Generated Nodes :

[[8,1,0][2,7,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[0,8,1][2,7,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[8,7,1][2,0,5][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,1][2,6,5][3,0,4]]

Generated Nodes :

[[8,7,1][2,0,5][3,6,4]] - Already visited Node!
[[8,7,1][2,6,5][3,4,0]] - $f(n) = 22 + 8 = 30$
[[8,7,1][2,6,5][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,1][3,2,5][6,0,4]]

Generated Nodes :

[[8,7,1][3,0,5][6,2,4]] - $f(n) = 22 + 8 = 30$
[[8,7,1][3,2,5][6,4,0]] - $f(n) = 22 + 8 = 30$
[[8,7,1][3,2,5][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,5][0,6,2][1,4,8]]

Generated Nodes :

[[0,7,5][3,6,2][1,4,8]] - Already visited Node!
[[3,7,5][6,0,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[3,7,5][1,6,2][0,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][3,2,0][1,4,8]]

Generated Nodes :

[[7,6,0][3,2,5][1,4,8]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,0,2][1,4,8]] - Already visited Node!
[[7,6,5][3,2,8][1,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][0,3,2][1,4,8]]

Generated Nodes :

[[0,6,5][7,3,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,0,2][1,4,8]] - Already visited Node!
[[7,6,5][1,3,2][0,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,6,5][3,4,2][1,0,8]]

Generated Nodes :

[[7,6,5][3,0,2][1,4,8]] – Already visited Node!
[[7,6,5][3,4,2][1,8,0]] – $f(n) = 22 + 7 = 29$
[[7,6,5][3,4,2][0,1,8]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 23 – [[7,2,6][8,1,4][0,3,5]]

Generated Nodes :

[[7,2,6][0,1,4][8,3,5]] – $f(n) = 23 + 7 = 30$
[[7,2,6][8,1,4][3,0,5]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,6][3,8,1][5,4,0]]

Generated Nodes :

[[7,2,6][3,8,0][5,4,1]] – $f(n) = 23 + 7 = 30$
[[7,2,6][3,8,1][5,0,4]] – Already visited Node!

Node Chosen for Level 22 – [[7,5,8][0,6,2][3,4,1]]

Generated Nodes :

[[0,5,8][7,6,2][3,4,1]] – Already visited Node!
[[7,5,8][6,0,2][3,4,1]] – $f(n) = 22 + 8 = 30$
[[7,5,8][3,6,2][0,4,1]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,6,8][7,2,0][3,4,1]]

Generated Nodes :

[[5,6,0][7,2,8][3,4,1]] – Already visited Node!
[[5,6,8][7,0,2][3,4,1]] – Already visited Node!
[[5,6,8][7,2,1][3,4,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,6,8][0,7,2][3,4,1]]

Generated Nodes :

[[0,6,8][5,7,2][3,4,1]] – $f(n) = 22 + 8 = 30$
[[5,6,8][7,0,2][3,4,1]] – Already visited Node!
[[5,6,8][3,7,2][0,4,1]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[5,6,8][7,4,2][3,0,1]]

Generated Nodes :

[[5,6,8][7,0,2][3,4,1]] – Already visited Node!

$[5,6,8][7,4,2][3,1,0] - f(n) = 22 + 8 = 30$
 $[5,6,8][7,4,2][0,3,1] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[3,7,5][0,8,2][4,1,6]$

Generated Nodes :

$[0,7,5][3,8,2][4,1,6] - \text{Already visited Node!}$
 $[3,7,5][8,0,2][4,1,6] - f(n) = 22 + 8 = 30$
 $[3,7,5][4,8,2][0,1,6] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[7,8,5][3,2,0][4,1,6]$

Generated Nodes :

$[7,8,0][3,2,5][4,1,6] - f(n) = 22 + 8 = 30$
 $[7,8,5][3,0,2][4,1,6] - \text{Already visited Node!}$
 $[7,8,5][3,2,6][4,1,0] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[7,8,5][0,3,2][4,1,6]$

Generated Nodes :

$[0,8,5][7,3,2][4,1,6] - f(n) = 22 + 8 = 30$
 $[7,8,5][3,0,2][4,1,6] - \text{Already visited Node!}$
 $[7,8,5][4,3,2][0,1,6] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[7,8,5][3,1,2][4,0,6]$

Generated Nodes :

$[7,8,5][3,0,2][4,1,6] - \text{Already visited Node!}$
 $[7,8,5][3,1,2][4,6,0] - f(n) = 22 + 8 = 30$
 $[7,8,5][3,1,2][0,4,6] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[5,0,2][7,3,8][4,1,6]$

Generated Nodes :

$[5,2,0][7,3,8][4,1,6] - f(n) = 22 + 7 = 29$
 $[0,5,2][7,3,8][4,1,6] - \text{Already visited Node!}$
 $[5,3,2][7,0,8][4,1,6] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[7,5,2][3,1,0][4,6,8]$

Generated Nodes :

$[7,5,0][3,1,2][4,6,8] - f(n) = 22 + 8 = 30$
 $[7,5,2][3,0,1][4,6,8] - \text{Already visited Node!}$
 $[7,5,2][3,1,8][4,6,0] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[7,5,2][0,1,8][3,4,6]$

Generated Nodes :

[[0,5,2][7,1,8][3,4,6]] - $f(n) = 22 + 8 = 30$
[[7,5,2][1,0,8][3,4,6]] - $f(n) = 22 + 8 = 30$
[[7,5,2][3,1,8][0,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,4][0,6,2][8,3,1]]

Generated Nodes :

[[0,5,4][7,6,2][8,3,1]] - Already visited Node!
[[7,5,4][6,0,2][8,3,1]] - $f(n) = 22 + 8 = 30$
[[7,5,4][8,6,2][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,4][7,2,0][8,3,1]]

Generated Nodes :

[[5,6,0][7,2,4][8,3,1]] - Already visited Node!
[[5,6,4][7,0,2][8,3,1]] - Already visited Node!
[[5,6,4][7,2,1][8,3,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,4][0,7,2][8,3,1]]

Generated Nodes :

[[0,6,4][5,7,2][8,3,1]] - $f(n) = 22 + 8 = 30$
[[5,6,4][7,0,2][8,3,1]] - Already visited Node!
[[5,6,4][8,7,2][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,4][7,3,2][8,0,1]]

Generated Nodes :

[[5,6,4][7,0,2][8,3,1]] - Already visited Node!
[[5,6,4][7,3,2][8,1,0]] - $f(n) = 22 + 8 = 30$
[[5,6,4][7,3,2][0,8,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,0,2][7,4,1][8,6,3]]

Generated Nodes :

[[5,2,0][7,4,1][8,6,3]] - $f(n) = 22 + 7 = 29$
[[0,5,2][7,4,1][8,6,3]] - Already visited Node!
[[5,4,2][7,0,1][8,6,3]] - Already visited Node!

Node Chosen for Level 22 - [[5,4,2][7,1,0][8,6,3]]

Generated Nodes :

[[5,4,0][7,1,2][8,6,3]] - $f(n) = 22 + 8 = 30$

[[5,4,2][7,0,1][8,6,3]] - Already visited Node!
[[5,4,2][7,1,3][8,6,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,2][0,7,1][8,6,3]]

Generated Nodes :

[[0,4,2][5,7,1][8,6,3]] - $f(n) = 22 + 8 = 30$
[[5,4,2][7,0,1][8,6,3]] - Already visited Node!
[[5,4,2][8,7,1][0,6,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,0,8][5,4,7][3,1,6]]

Generated Nodes :

[[2,8,0][5,4,7][3,1,6]] - $f(n) = 22 + 8 = 30$
[[0,2,8][5,4,7][3,1,6]] - $f(n) = 22 + 7 = 29$
[[2,4,8][5,0,7][3,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[2,4,8][5,1,7][3,0,6]]

Generated Nodes :

[[2,4,8][5,0,7][3,1,6]] - Already visited Node!
[[2,4,8][5,1,7][3,6,0]] - $f(n) = 22 + 8 = 30$
[[2,4,8][5,1,7][0,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,0,7][5,8,4][3,1,6]]

Generated Nodes :

[[2,7,0][5,8,4][3,1,6]] - Already visited Node!
[[0,2,7][5,8,4][3,1,6]] - $f(n) = 22 + 7 = 29$
[[2,8,7][5,0,4][3,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[2,7,4][5,1,0][3,6,8]]

Generated Nodes :

[[2,7,0][5,1,4][3,6,8]] - $f(n) = 22 + 8 = 30$
[[2,7,4][5,0,1][3,6,8]] - $f(n) = 22 + 8 = 30$
[[2,7,4][5,1,8][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[2,7,4][0,1,8][5,3,6]]

Generated Nodes :

[[0,7,4][2,1,8][5,3,6]] - $f(n) = 22 + 8 = 30$
[[2,7,4][1,0,8][5,3,6]] - $f(n) = 22 + 8 = 30$
[[2,7,4][5,1,8][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,8,2][7,0,6][4,5,1]]

Generated Nodes :

$[[3,0,2][7,8,6][4,5,1]] - f(n) = 23 + 7 = 30$
 $[[3,8,2][7,6,0][4,5,1]] - f(n) = 23 + 8 = 31$
 $[[3,8,2][0,7,6][4,5,1]] - \text{Already visited Node!}$
 $[[3,8,2][7,5,6][4,0,1]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[7,3,2][8,0,6][4,5,1]]$

Generated Nodes :

$[[7,0,2][8,3,6][4,5,1]] - \text{Already visited Node!}$
 $[[7,3,2][8,6,0][4,5,1]] - f(n) = 23 + 8 = 31$
 $[[7,3,2][0,8,6][4,5,1]] - f(n) = 23 + 7 = 30$
 $[[7,3,2][8,5,6][4,0,1]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[7,2,1][3,8,4][5,6,0]]$

Generated Nodes :

$[[7,2,1][3,8,0][5,6,4]] - f(n) = 23 + 7 = 30$
 $[[7,2,1][3,8,4][5,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,0,5][3,8,2][1,7,6]]$

Generated Nodes :

$[[4,5,0][3,8,2][1,7,6]] - f(n) = 22 + 8 = 30$
 $[[0,4,5][3,8,2][1,7,6]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][3,0,2][1,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,8,5][3,2,0][1,7,6]]$

Generated Nodes :

$[[4,8,0][3,2,5][1,7,6]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][3,0,2][1,7,6]] - \text{Already visited Node!}$
 $[[4,8,5][3,2,6][1,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[4,8,5][0,3,2][1,7,6]]$

Generated Nodes :

$[[0,8,5][4,3,2][1,7,6]] - f(n) = 22 + 7 = 29$
 $[[4,8,5][3,0,2][1,7,6]] - \text{Already visited Node!}$
 $[[4,8,5][1,3,2][0,7,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,5][3,7,0][1,6,2]]$

Generated Nodes :

$[[4,8,0][3,7,5][1,6,2]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][3,0,7][1,6,2]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][3,7,2][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][8,1,0][4,3,6]]$

Generated Nodes :

$[[7,5,0][8,1,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,5,2][8,0,1][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][8,1,6][4,3,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,1,5][8,2,0][4,3,6]]$

Generated Nodes :

$[[7,1,0][8,2,5][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][8,0,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][8,2,6][4,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,1,5][0,8,2][4,3,6]]$

Generated Nodes :

$[[0,1,5][7,8,2][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][8,0,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][4,8,2][0,3,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,1,5][8,3,2][4,0,6]]$

Generated Nodes :

$[[7,1,5][8,0,2][4,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][8,3,2][4,6,0]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][8,3,2][0,4,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,5,2][1,7,0][4,3,6]]$

Generated Nodes :

$[[8,5,0][1,7,2][4,3,6]] - \text{Already visited Node!}$
 $[[8,5,2][1,0,7][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[8,5,2][1,7,6][4,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,0,7][1,2,5][4,3,6]]$

Generated Nodes :

$[[8,7,0][1,2,5][4,3,6]] - \text{Already visited Node!}$
 $[[0,8,7][1,2,5][4,3,6]] - f(n) = 22 + 8 = 30$
 $[[8,2,7][1,0,5][4,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,7,5][1,3,0][4,6,2]]$

Generated Nodes :

 $[[8,7,0][1,3,5][4,6,2]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][1,0,3][4,6,2]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][1,3,2][4,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,7,4][0,6,5][3,2,1]]$

Generated Nodes :

 $[[0,7,4][8,6,5][3,2,1]] - \text{Already visited Node!}$
 $[[8,7,4][6,0,5][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[8,7,4][3,6,5][0,2,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,6,4][0,8,5][3,2,1]]$

Generated Nodes :

 $[[0,6,4][7,8,5][3,2,1]] - f(n) = 22 + 8 = 30$
 $[[7,6,4][8,0,5][3,2,1]] - \text{Already visited Node!}$
 $[[7,6,4][3,8,5][0,2,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,6,4][8,2,5][3,0,1]]$

Generated Nodes :

 $[[7,6,4][8,0,5][3,2,1]] - \text{Already visited Node!}$
 $[[7,6,4][8,2,5][3,1,0]] - f(n) = 22 + 8 = 30$
 $[[7,6,4][8,2,5][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,8][0,6,2][3,4,1]]$

Generated Nodes :

 $[[0,5,8][7,6,2][3,4,1]] - \text{Already visited Node!}$
 $[[7,5,8][6,0,2][3,4,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,6,2][0,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,6,8][7,2,0][3,4,1]]$

Generated Nodes :

 $[[5,6,0][7,2,8][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][7,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][7,2,1][3,4,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,6,8][0,7,2][3,4,1]]$

Generated Nodes :

$[[0,6,8][5,7,2][3,4,1]] - f(n) = 22 + 8 = 30$
 $[[5,6,8][7,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][3,7,2][0,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,6,8][7,4,2][3,0,1]]$

Generated Nodes :

$[[5,6,8][7,0,2][3,4,1]] - \text{Already visited Node!}$
 $[[5,6,8][7,4,2][3,1,0]] - f(n) = 22 + 8 = 30$
 $[[5,6,8][7,4,2][0,3,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,4][2,1,0][8,3,6]]$

Generated Nodes :

$[[7,5,0][2,1,4][8,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,4][2,0,1][8,3,6]] - \text{Already visited Node!}$
 $[[7,5,4][2,1,6][8,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,4][2,3,1][8,0,6]]$

Generated Nodes :

$[[7,5,4][2,0,1][8,3,6]] - \text{Already visited Node!}$
 $[[7,5,4][2,3,1][8,6,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,4][2,3,1][0,8,6]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,4][8,2,1][3,0,6]]$

Generated Nodes :

$[[7,5,4][8,0,1][3,2,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,4][8,2,1][3,6,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,4][8,2,1][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,6,5][1,2,0][8,4,3]]$

Generated Nodes :

$[[7,6,0][1,2,5][8,4,3]] - f(n) = 22 + 8 = 30$
 $[[7,6,5][1,0,2][8,4,3]] - \text{Already visited Node!}$
 $[[7,6,5][1,2,3][8,4,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,6,5][0,1,2][8,4,3]]$

Generated Nodes :

$[[0,6,5][7,1,2][8,4,3]] - f(n) = 22 + 8 = 30$
 $[[7,6,5][1,0,2][8,4,3]] - \text{Already visited Node!}$
 $[[7,6,5][8,1,2][0,4,3]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,6,5][1,4,2][8,0,3]]

Generated Nodes :

[[7,6,5][1,0,2][8,4,3]] – Already visited Node!
[[7,6,5][1,4,2][8,3,0]] – $f(n) = 22 + 8 = 30$
[[7,6,5][1,4,2][0,8,3]] – $f(n) = 22 + 7 = 29$

Node Chosen for Level 23 – [[1,4,7][8,0,2][3,5,6]]

Generated Nodes :

[[1,0,7][8,4,2][3,5,6]] – Already visited Node!
[[1,4,7][8,2,0][3,5,6]] – $f(n) = 23 + 7 = 30$
[[1,4,7][0,8,2][3,5,6]] – $f(n) = 23 + 7 = 30$
[[1,4,7][8,5,2][3,0,6]] – $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 – [[1,7,2][3,8,4][5,6,0]]

Generated Nodes :

[[1,7,2][3,8,0][5,6,4]] – $f(n) = 23 + 7 = 30$
[[1,7,2][3,8,4][5,0,6]] – Already visited Node!

Node Chosen for Level 24 – [[8,5,4][2,3,6][7,0,1]]

Generated Nodes :

[[8,5,4][2,0,6][7,3,1]] – Already visited Node!
[[8,5,4][2,3,6][7,1,0]] – $f(n) = 24 + 6 = 30$
[[8,5,4][2,3,6][0,7,1]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[5,2,4][8,1,0][7,6,3]]

Generated Nodes :

[[5,2,0][8,1,4][7,6,3]] – $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,1][7,6,3]] – Already visited Node!
[[5,2,4][8,1,3][7,6,0]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[5,2,4][0,8,1][7,6,3]]

Generated Nodes :

[[0,2,4][5,8,1][7,6,3]] – $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,1][7,6,3]] – Already visited Node!
[[5,2,4][7,8,1][0,6,3]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 23 – [[7,2,8][1,0,5][6,3,4]]

Generated Nodes :

$[[7,0,8][1,2,5][6,3,4]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][1,5,0][6,3,4]] - \text{Already visited Node!}$
 $[[7,2,8][0,1,5][6,3,4]] - f(n) = 23 + 7 = 30$
 $[[7,2,8][1,3,5][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,8][1,3,5][6,4,0]]$

Generated Nodes :

$[[7,2,8][1,3,0][6,4,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,8][1,3,5][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,0][3,6,8][1,4,5]]$

Generated Nodes :

$[[7,0,2][3,6,8][1,4,5]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][3,6,0][1,4,5]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,2,8][7,6,5][3,1,4]]$

Generated Nodes :

$[[2,0,8][7,6,5][3,1,4]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][0,6,5][3,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,8][6,0,5][3,1,4]]$

Generated Nodes :

$[[7,0,8][6,2,5][3,1,4]] - f(n) = 23 + 8 = 31$
 $[[7,2,8][6,5,0][3,1,4]] - \text{Already visited Node!}$
 $[[7,2,8][0,6,5][3,1,4]] - \text{Already visited Node!}$
 $[[7,2,8][6,1,5][3,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[5,2,4][1,7,6][3,0,8]]$

Generated Nodes :

$[[5,2,4][1,0,6][3,7,8]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][1,7,6][3,8,0]] - f(n) = 24 + 5 = 29$
 $[[5,2,4][1,7,6][0,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,6,5][4,2,0][1,8,3]]$

Generated Nodes :

$[[7,6,0][4,2,5][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[7,6,5][4,0,2][1,8,3]] - \text{Already visited Node!}$
 $[[7,6,5][4,2,3][1,8,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,2,6][0,5,8][3,1,4]]$

Generated Nodes :

[[0,2,6][7,5,8][3,1,4]] - $f(n) = 24 + 6 = 30$
[[7,2,6][5,0,8][3,1,4]] - $f(n) = 24 + 7 = 31$
[[7,2,6][3,5,8][0,1,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,6,8][4,2,0][7,3,1]]

Generated Nodes :

[[5,6,0][4,2,8][7,3,1]] - $f(n) = 24 + 6 = 30$
[[5,6,8][4,0,2][7,3,1]] - Already visited Node!
[[5,6,8][4,2,1][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,6,8][4,3,2][7,0,1]]

Generated Nodes :

[[5,6,8][4,0,2][7,3,1]] - Already visited Node!
[[5,6,8][4,3,2][7,1,0]] - $f(n) = 24 + 6 = 30$
[[5,6,8][4,3,2][0,7,1]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[5,0,2][4,8,1][7,6,3]]

Generated Nodes :

[[5,2,0][4,8,1][7,6,3]] - $f(n) = 24 + 5 = 29$
[[0,5,2][4,8,1][7,6,3]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,0,1][7,6,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,8,2][4,1,0][7,6,3]]

Generated Nodes :

[[5,8,0][4,1,2][7,6,3]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,0,1][7,6,3]] - Already visited Node!
[[5,8,2][4,1,3][7,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[3,4,0][2,7,5][1,8,6]]

Generated Nodes :

[[3,0,4][2,7,5][1,8,6]] - Already visited Node!
[[3,4,5][2,7,0][1,8,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,4][2,7,5][1,8,6]]

Generated Nodes :

[[3,0,4][2,7,5][1,8,6]] - Already visited Node!
[[2,3,4][0,7,5][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - $[[0,2,4][7,3,8][1,6,5]]$

Generated Nodes :

$[[2,0,4][7,3,8][1,6,5]] - f(n) = 23 + 8 = 31$
 $[[7,2,4][0,3,8][1,6,5]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,4][1,3,8][0,6,5]]$

Generated Nodes :

$[[7,2,4][0,3,8][1,6,5]] - \text{Already visited Node!}$
 $[[7,2,4][1,3,8][6,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,4][3,6,8][0,1,5]]$

Generated Nodes :

$[[7,2,4][0,6,8][3,1,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,4][3,6,8][1,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,4][0,1,6][5,3,8]]$

Generated Nodes :

$[[0,2,4][7,1,6][5,3,8]] - f(n) = 24 + 6 = 30$
 $[[7,2,4][1,0,6][5,3,8]] - \text{Already visited Node!}$
 $[[7,2,4][5,1,6][0,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,6][4,1,3][8,0,5]]$

Generated Nodes :

$[[7,2,6][4,0,3][8,1,5]] - \text{Already visited Node!}$
 $[[7,2,6][4,1,3][8,5,0]] - \text{Already visited Node!}$
 $[[7,2,6][4,1,3][0,8,5]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - $[[0,3,7][1,5,2][8,6,4]]$

Generated Nodes :

$[[3,0,7][1,5,2][8,6,4]] - \text{Already visited Node!}$
 $[[1,3,7][0,5,2][8,6,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 22 - $[[5,8,7][0,1,2][3,6,4]]$

Generated Nodes :

$[[0,8,7][5,1,2][3,6,4]] - \text{Already visited Node!}$
 $[[5,8,7][1,0,2][3,6,4]] - f(n) = 22 + 8 = 30$
 $[[5,8,7][3,1,2][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,1,7][5,2,0][3,6,4]]

Generated Nodes :

[[8,1,0][5,2,7][3,6,4]] – $f(n) = 22 + 8 = 30$
[[8,1,7][5,0,2][3,6,4]] – Already visited Node!
[[8,1,7][5,2,4][3,6,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,1,7][5,6,2][3,0,4]]

Generated Nodes :

[[8,1,7][5,0,2][3,6,4]] – Already visited Node!
[[8,1,7][5,6,2][3,4,0]] – $f(n) = 22 + 8 = 30$
[[8,1,7][5,6,2][0,3,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[7,0,2][8,6,1][5,3,4]]

Generated Nodes :

[[7,2,0][8,6,1][5,3,4]] – $f(n) = 22 + 7 = 29$
[[0,7,2][8,6,1][5,3,4]] – Already visited Node!
[[7,6,2][8,0,1][5,3,4]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,0,2][6,7,1][5,3,4]]

Generated Nodes :

[[8,2,0][6,7,1][5,3,4]] – $f(n) = 22 + 7 = 29$
[[0,8,2][6,7,1][5,3,4]] – $f(n) = 22 + 8 = 30$
[[8,7,2][6,0,1][5,3,4]] – Already visited Node!

Node Chosen for Level 22 – [[8,7,2][6,1,0][5,3,4]]

Generated Nodes :

[[8,7,0][6,1,2][5,3,4]] – $f(n) = 22 + 8 = 30$
[[8,7,2][6,0,1][5,3,4]] – Already visited Node!
[[8,7,2][6,1,4][5,3,0]] – $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 – [[8,7,2][6,3,1][5,0,4]]

Generated Nodes :

[[8,7,2][6,0,1][5,3,4]] – Already visited Node!
[[8,7,2][6,3,1][5,4,0]] – $f(n) = 22 + 8 = 30$
[[8,7,2][6,3,1][0,5,4]] – Already visited Node!

Node Chosen for Level 23 – [[7,3,0][4,2,5][8,1,6]]

Generated Nodes :

[[7,0,3][4,2,5][8,1,6]] - Already visited Node!
[[7,3,5][4,2,0][8,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,3,5][4,1,2][8,6,0]]

Generated Nodes :

[[7,3,5][4,1,0][8,6,2]] - $f(n) = 23 + 7 = 30$
[[7,3,5][4,1,2][8,0,6]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,4][0,8,6][5,1,3]]

Generated Nodes :

[[0,2,4][7,8,6][5,1,3]] - $f(n) = 24 + 6 = 30$
[[7,2,4][8,0,6][5,1,3]] - Already visited Node!
[[7,2,4][5,8,6][0,1,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][3,0,8][4,7,1]]

Generated Nodes :

[[5,0,6][3,2,8][4,7,1]] - $f(n) = 23 + 8 = 31$
[[5,2,6][3,8,0][4,7,1]] - $f(n) = 23 + 7 = 30$
[[5,2,6][0,3,8][4,7,1]] - $f(n) = 23 + 7 = 30$
[[5,2,6][3,7,8][4,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][3,7,8][4,1,0]]

Generated Nodes :

[[5,2,6][3,7,0][4,1,8]] - $f(n) = 23 + 7 = 30$
[[5,2,6][3,7,8][4,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,6][7,0,4][3,1,8]]

Generated Nodes :

[[5,0,6][7,2,4][3,1,8]] - $f(n) = 23 + 8 = 31$
[[5,2,6][7,4,0][3,1,8]] - Already visited Node!
[[5,2,6][0,7,4][3,1,8]] - $f(n) = 23 + 7 = 30$
[[5,2,6][7,1,4][3,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,7,5][6,0,2][4,8,1]]

Generated Nodes :

[[3,0,5][6,7,2][4,8,1]] - $f(n) = 23 + 7 = 30$
[[3,7,5][6,2,0][4,8,1]] - $f(n) = 23 + 7 = 30$
[[3,7,5][0,6,2][4,8,1]] - Already visited Node!
[[3,7,5][6,8,2][4,0,1]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[7,6,0][3,2,5][4,8,1]]

Generated Nodes :

[[7,0,6][3,2,5][4,8,1]] – Already visited Node!
[[7,6,5][3,2,0][4,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[7,6,5][3,2,1][4,8,0]]

Generated Nodes :

[[7,6,5][3,2,0][4,8,1]] – Already visited Node!
[[7,6,5][3,2,1][4,0,8]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,6,5][7,3,2][4,8,1]]

Generated Nodes :

[[6,0,5][7,3,2][4,8,1]] – $f(n) = 23 + 7 = 30$
[[7,6,5][0,3,2][4,8,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,6][8,0,4][3,7,1]]

Generated Nodes :

[[5,0,6][8,2,4][3,7,1]] – $f(n) = 23 + 8 = 31$
[[5,2,6][8,4,0][3,7,1]] – $f(n) = 23 + 7 = 30$
[[5,2,6][0,8,4][3,7,1]] – $f(n) = 23 + 7 = 30$
[[5,2,6][8,7,4][3,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,6][8,7,4][3,1,0]]

Generated Nodes :

[[5,2,6][8,7,0][3,1,4]] – $f(n) = 23 + 7 = 30$
[[5,2,6][8,7,4][3,0,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,6][7,0,3][8,1,4]]

Generated Nodes :

[[5,0,6][7,2,3][8,1,4]] – $f(n) = 23 + 8 = 31$
[[5,2,6][7,3,0][8,1,4]] – Already visited Node!
[[5,2,6][0,7,3][8,1,4]] – $f(n) = 23 + 7 = 30$
[[5,2,6][7,1,3][8,0,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[5,2,6][7,1,3][8,4,0]]

Generated Nodes :

[[5,2,6][7,1,0][8,4,3]] – Already visited Node!

$[[5,2,6][7,1,3][8,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,2,6][5,7,1][8,4,3]]$

Generated Nodes :

$[[2,0,6][5,7,1][8,4,3]] - f(n) = 23 + 8 = 31$
 $[[5,2,6][0,7,1][8,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,6][8,7,1][0,4,3]]$

Generated Nodes :

$[[5,2,6][0,7,1][8,4,3]] - \text{Already visited Node!}$
 $[[5,2,6][8,7,1][4,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][3,0,8][4,1,5]]$

Generated Nodes :

$[[7,0,6][3,2,8][4,1,5]] - f(n) = 23 + 8 = 31$
 $[[7,2,6][3,8,0][4,1,5]] - \text{Already visited Node!}$
 $[[7,2,6][0,3,8][4,1,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][3,1,8][4,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,2,6][7,8,4][3,1,5]]$

Generated Nodes :

$[[2,0,6][7,8,4][3,1,5]] - f(n) = 23 + 8 = 31$
 $[[7,2,6][0,8,4][3,1,5]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,6][3,8,4][0,1,5]]$

Generated Nodes :

$[[7,2,6][0,8,4][3,1,5]] - \text{Already visited Node!}$
 $[[7,2,6][3,8,4][1,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,2,6][8,1,4][0,3,5]]$

Generated Nodes :

$[[7,2,6][0,1,4][8,3,5]] - f(n) = 23 + 7 = 30$
 $[[7,2,6][8,1,4][3,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,5][2,8,4][3,1,6]]$

Generated Nodes :

$[[7,5,0][2,8,4][3,1,6]] - \text{Already visited Node!}$
 $[[0,7,5][2,8,4][3,1,6]] - f(n) = 22 + 8 = 30$

$[[7,8,5][2,0,4][3,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,4][2,1,0][3,6,8]]$

Generated Nodes :

$[[7,5,0][2,1,4][3,6,8]] - f(n) = 22 + 8 = 30$

$[[7,5,4][2,0,1][3,6,8]] - f(n) = 22 + 8 = 30$

$[[7,5,4][2,1,8][3,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,4][0,1,8][2,3,6]]$

Generated Nodes :

$[[0,5,4][7,1,8][2,3,6]] - f(n) = 22 + 8 = 30$

$[[7,5,4][1,0,8][2,3,6]] - f(n) = 22 + 8 = 30$

$[[7,5,4][2,1,8][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,4][3,8,0][1,2,6]]$

Generated Nodes :

$[[7,5,0][3,8,4][1,2,6]] - f(n) = 22 + 8 = 30$

$[[7,5,4][3,0,8][1,2,6]] - \text{Already visited Node!}$

$[[7,5,4][3,8,6][1,2,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,4][0,3,8][1,2,6]]$

Generated Nodes :

$[[0,5,4][7,3,8][1,2,6]] - f(n) = 22 + 8 = 30$

$[[7,5,4][3,0,8][1,2,6]] - \text{Already visited Node!}$

$[[7,5,4][1,3,8][0,2,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,4][3,2,0][1,6,8]]$

Generated Nodes :

$[[7,5,0][3,2,4][1,6,8]] - f(n) = 22 + 8 = 30$

$[[7,5,4][3,0,2][1,6,8]] - f(n) = 22 + 8 = 30$

$[[7,5,4][3,2,8][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,4,2][8,0,6][5,3,1]]$

Generated Nodes :

$[[7,0,2][8,4,6][5,3,1]] - \text{Already visited Node!}$

$[[7,4,2][8,6,0][5,3,1]] - f(n) = 23 + 8 = 31$

$[[7,4,2][0,8,6][5,3,1]] - f(n) = 23 + 7 = 30$

$[[7,4,2][8,3,6][5,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,3,7][1,4,2][0,8,6]]$

Generated Nodes :

[[5,3,7][0,4,2][1,8,6]] - Already visited Node!
[[5,3,7][1,4,2][8,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[3,4,0][5,2,7][1,8,6]]

Generated Nodes :

[[3,0,4][5,2,7][1,8,6]] - Already visited Node!
[[3,4,7][5,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][3,8,1][6,4,5]]

Generated Nodes :

[[7,0,2][3,8,1][6,4,5]] - $f(n) = 23 + 8 = 31$
[[7,2,1][3,8,0][6,4,5]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,1][3,0,8][6,4,5]]

Generated Nodes :

[[7,0,1][3,2,8][6,4,5]] - $f(n) = 23 + 8 = 31$
[[7,2,1][3,8,0][6,4,5]] - Already visited Node!
[[7,2,1][0,3,8][6,4,5]] - $f(n) = 23 + 7 = 30$
[[7,2,1][3,4,8][6,0,5]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,2,1][6,3,5][8,4,0]]

Generated Nodes :

[[7,2,1][6,3,0][8,4,5]] - $f(n) = 23 + 7 = 30$
[[7,2,1][6,3,5][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,0][8,1,4][3,6,5]]

Generated Nodes :

[[7,0,2][8,1,4][3,6,5]] - $f(n) = 23 + 8 = 31$
[[7,2,4][8,1,0][3,6,5]] - Already visited Node!

Node Chosen for Level 23 - [[7,2,4][8,0,1][3,6,5]]

Generated Nodes :

[[7,0,4][8,2,1][3,6,5]] - $f(n) = 23 + 8 = 31$
[[7,2,4][8,1,0][3,6,5]] - Already visited Node!
[[7,2,4][0,8,1][3,6,5]] - $f(n) = 23 + 7 = 30$
[[7,2,4][8,6,1][3,0,5]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,2,4][7,1,3][8,6,5]]$

Generated Nodes :

 $[[2,0,4][7,1,3][8,6,5]] - f(n) = 23 + 8 = 31$
 $[[7,2,4][0,1,3][8,6,5]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,2,4][8,1,3][0,6,5]]$

Generated Nodes :

 $[[7,2,4][0,1,3][8,6,5]] - \text{Already visited Node!}$
 $[[7,2,4][8,1,3][6,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,4,0][5,2,7][8,3,6]]$

Generated Nodes :

 $[[1,0,4][5,2,7][8,3,6]] - \text{Already visited Node!}$
 $[[1,4,7][5,2,0][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,4,7][5,3,2][8,6,0]]$

Generated Nodes :

 $[[1,4,7][5,3,0][8,6,2]] - f(n) = 23 + 7 = 30$
 $[[1,4,7][5,3,2][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,3,7][5,0,2][8,6,4]]$

Generated Nodes :

 $[[1,0,7][5,3,2][8,6,4]] - \text{Already visited Node!}$
 $[[1,3,7][5,2,0][8,6,4]] - f(n) = 23 + 7 = 30$
 $[[1,3,7][0,5,2][8,6,4]] - f(n) = 23 + 6 = 29$
 $[[1,3,7][5,6,2][8,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,7,2][5,6,3][8,4,0]]$

Generated Nodes :

 $[[1,7,2][5,6,0][8,4,3]] - \text{Already visited Node!}$
 $[[1,7,2][5,6,3][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,6,5][4,0,1][8,2,3]]$

Generated Nodes :

 $[[7,0,5][4,6,1][8,2,3]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][4,1,0][8,2,3]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][0,4,1][8,2,3]] - f(n) = 23 + 8 = 31$
 $[[7,6,5][4,2,1][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,6,0][4,3,5][8,1,2]]$

Generated Nodes :

$[[7,0,6][4,3,5][8,1,2]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][4,3,0][8,1,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,6,5][4,0,3][8,1,2]]$

Generated Nodes :

$[[7,0,5][4,6,3][8,1,2]] - f(n) = 23 + 7 = 30$
 $[[7,6,5][4,3,0][8,1,2]] - \text{Already visited Node!}$
 $[[7,6,5][0,4,3][8,1,2]] - f(n) = 23 + 8 = 31$
 $[[7,6,5][4,1,3][8,0,2]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,7,5][4,1,2][8,6,3]]$

Generated Nodes :

$[[7,0,5][4,1,2][8,6,3]] - \text{Already visited Node!}$
 $[[4,7,5][0,1,2][8,6,3]] - f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[7,1,5][4,0,2][8,6,3]]$

Generated Nodes :

$[[7,0,5][4,1,2][8,6,3]] - \text{Already visited Node!}$
 $[[7,1,5][4,2,0][8,6,3]] - f(n) = 23 + 7 = 30$
 $[[7,1,5][0,4,2][8,6,3]] - f(n) = 23 + 8 = 31$
 $[[7,1,5][4,6,2][8,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,3,2][5,7,6][1,4,8]]$

Generated Nodes :

$[[3,0,2][5,7,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,3,2][0,7,6][1,4,8]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,3,2][1,7,6][0,4,8]]$

Generated Nodes :

$[[5,3,2][0,7,6][1,4,8]] - \text{Already visited Node!}$
 $[[5,3,2][1,7,6][4,0,8]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,2][7,1,6][4,3,8]]$

Generated Nodes :

$[[5,0,2][7,1,6][4,3,8]] - f(n) = 23 + 7 = 30$

[[7,5,2][0,1,6][4,3,8]] - Already visited Node!

Node Chosen for Level 23 - [[0,4,2][5,7,6][3,1,8]]

Generated Nodes :

[[4,0,2][5,7,6][3,1,8]] - $f(n) = 23 + 7 = 30$
[[5,4,2][0,7,6][3,1,8]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][3,7,6][0,1,8]]

Generated Nodes :

[[5,4,2][0,7,6][3,1,8]] - Already visited Node!
[[5,4,2][3,7,6][1,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,4,2][7,1,6][0,3,8]]

Generated Nodes :

[[5,4,2][0,1,6][7,3,8]] - $f(n) = 23 + 6 = 29$
[[5,4,2][7,1,6][3,0,8]] - Already visited Node!

Node Chosen for Level 22 - [[8,5,2][6,7,0][3,4,1]]

Generated Nodes :

[[8,5,0][6,7,2][3,4,1]] - Already visited Node!
[[8,5,2][6,0,7][3,4,1]] - $f(n) = 22 + 8 = 30$
[[8,5,2][6,7,1][3,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,8,5][0,7,2][3,4,1]]

Generated Nodes :

[[0,8,5][6,7,2][3,4,1]] - Already visited Node!
[[6,8,5][7,0,2][3,4,1]] - Already visited Node!
[[6,8,5][3,7,2][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,7][6,2,5][3,4,1]]

Generated Nodes :

[[8,7,0][6,2,5][3,4,1]] - Already visited Node!
[[0,8,7][6,2,5][3,4,1]] - $f(n) = 22 + 8 = 30$
[[8,2,7][6,0,5][3,4,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][6,2,1][3,0,4]]

Generated Nodes :

[[8,7,5][6,0,1][3,2,4]] - $f(n) = 22 + 8 = 30$

[[8,7,5][6,2,1][3,4,0]] - Already visited Node!
[[8,7,5][6,2,1][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][6,4,0][3,1,2]]

Generated Nodes :

[[8,7,0][6,4,5][3,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][6,0,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][6,4,2][3,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,4,2][6,3,1]]

Generated Nodes :

[[0,7,5][8,4,2][6,3,1]] - $f(n) = 22 + 8 = 30$
[[8,7,5][4,0,2][6,3,1]] - $f(n) = 22 + 7 = 29$
[[8,7,5][6,4,2][0,3,1]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,5][3,7,2][4,6,1]]

Generated Nodes :

[[8,5,0][3,7,2][4,6,1]] - $f(n) = 22 + 8 = 30$
[[0,8,5][3,7,2][4,6,1]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,2][4,6,1]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][3,2,0][4,6,1]]

Generated Nodes :

[[8,7,0][3,2,5][4,6,1]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,2][4,6,1]] - Already visited Node!
[[8,7,5][3,2,1][4,6,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][0,3,2][4,6,1]]

Generated Nodes :

[[0,7,5][8,3,2][4,6,1]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,2][4,6,1]] - Already visited Node!
[[8,7,5][4,3,2][0,6,1]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][3,6,0][4,1,2]]

Generated Nodes :

[[8,7,0][3,6,5][4,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,6][4,1,2]] - $f(n) = 22 + 7 = 29$
[[8,7,5][3,6,2][4,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,5][8,6,1][3,2,4]]

Generated Nodes :

[[7,5,0][8,6,1][3,2,4]] - $f(n) = 22 + 8 = 30$
[[0,7,5][8,6,1][3,2,4]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,0,1][3,2,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,6,5][8,1,0][3,2,4]]

Generated Nodes :

[[7,6,0][8,1,5][3,2,4]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,0,1][3,2,4]] - Already visited Node!
[[7,6,5][8,1,4][3,2,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][0,8,1][3,2,4]]

Generated Nodes :

[[0,6,5][7,8,1][3,2,4]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,0,1][3,2,4]] - Already visited Node!
[[7,6,5][3,8,1][0,2,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][0,2,1][8,3,4]]

Generated Nodes :

[[0,6,5][7,2,1][8,3,4]] - $f(n) = 22 + 8 = 30$
[[7,6,5][2,0,1][8,3,4]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,2,1][0,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[6,5,2][7,8,0][3,4,1]]

Generated Nodes :

[[6,5,0][7,8,2][3,4,1]] - Already visited Node!
[[6,5,2][7,0,8][3,4,1]] - $f(n) = 22 + 8 = 30$
[[6,5,2][7,8,1][3,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,8,5][7,2,0][3,4,1]]

Generated Nodes :

[[6,8,0][7,2,5][3,4,1]] - $f(n) = 22 + 8 = 30$
[[6,8,5][7,0,2][3,4,1]] - Already visited Node!
[[6,8,5][7,2,1][3,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,8,5][0,7,2][3,4,1]]

Generated Nodes :

[[0,8,5][6,7,2][3,4,1]] - Already visited Node!

[[6,8,5][7,0,2][3,4,1]] - Already visited Node!
[[6,8,5][3,7,2][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,8,5][7,4,2][3,0,1]]

Generated Nodes :

[[6,8,5][7,0,2][3,4,1]] - Already visited Node!
[[6,8,5][7,4,2][3,1,0]] - $f(n) = 22 + 8 = 30$
[[6,8,5][7,4,2][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][3,8,0][4,1,2]]

Generated Nodes :

[[7,6,0][3,8,5][4,1,2]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,0,8][4,1,2]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,8,2][4,1,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,6][8,4,5][3,1,2]]

Generated Nodes :

[[7,6,0][8,4,5][3,1,2]] - Already visited Node!
[[0,7,6][8,4,5][3,1,2]] - $f(n) = 22 + 8 = 30$
[[7,4,6][8,0,5][3,1,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][8,6,4][3,1,2]]

Generated Nodes :

[[7,5,0][8,6,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[0,7,5][8,6,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,0,4][3,1,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,6,5][0,8,4][3,1,2]]

Generated Nodes :

[[0,6,5][7,8,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,0,4][3,1,2]] - Already visited Node!
[[7,6,5][3,8,4][0,1,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][8,1,4][3,0,2]]

Generated Nodes :

[[7,6,5][8,0,4][3,1,2]] - Already visited Node!
[[7,6,5][8,1,4][3,2,0]] - $f(n) = 22 + 8 = 30$
[[7,6,5][8,1,4][0,3,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,0,5][7,4,2][8,3,1]]

Generated Nodes :

[[6,5,0][7,4,2][8,3,1]] - $f(n) = 22 + 8 = 30$
[[0,6,5][7,4,2][8,3,1]] - Already visited Node!
[[6,4,5][7,0,2][8,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,2][0,3,7][1,4,6]]

Generated Nodes :

[[0,5,2][8,3,7][1,4,6]] - $f(n) = 22 + 8 = 30$
[[8,5,2][3,0,7][1,4,6]] - Already visited Node!
[[8,5,2][1,3,7][0,4,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,2][3,4,7][1,0,6]]

Generated Nodes :

[[8,5,2][3,0,7][1,4,6]] - Already visited Node!
[[8,5,2][3,4,7][1,6,0]] - $f(n) = 22 + 8 = 30$
[[8,5,2][3,4,7][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,0,5][7,8,2][1,4,6]]

Generated Nodes :

[[3,5,0][7,8,2][1,4,6]] - $f(n) = 22 + 8 = 30$
[[0,3,5][7,8,2][1,4,6]] - $f(n) = 22 + 8 = 30$
[[3,8,5][7,0,2][1,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,8,5][7,2,0][1,4,6]]

Generated Nodes :

[[3,8,0][7,2,5][1,4,6]] - $f(n) = 22 + 8 = 30$
[[3,8,5][7,0,2][1,4,6]] - Already visited Node!
[[3,8,5][7,2,6][1,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,8,5][7,4,2][1,0,6]]

Generated Nodes :

[[3,8,5][7,0,2][1,4,6]] - Already visited Node!
[[3,8,5][7,4,2][1,6,0]] - $f(n) = 22 + 8 = 30$
[[3,8,5][7,4,2][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,8,5][1,7,2][4,0,6]]

Generated Nodes :

[[3,8,5][1,0,2][4,7,6]] - $f(n) = 22 + 8 = 30$

[[3,8,5][1,7,2][4,6,0]] - $f(n) = 22 + 8 = 30$
[[3,8,5][1,7,2][0,4,6]] - Already visited Node!

Node Chosen for Level 22 - [[3,8,7][0,2,5][1,4,6]]

Generated Nodes :

[[0,8,7][3,2,5][1,4,6]] - Already visited Node!
[[3,8,7][2,0,5][1,4,6]] - $f(n) = 22 + 8 = 30$
[[3,8,7][1,2,5][0,4,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][8,3,0][1,4,6]]

Generated Nodes :

[[7,5,0][8,3,2][1,4,6]] - Already visited Node!
[[7,5,2][8,0,3][1,4,6]] - $f(n) = 22 + 8 = 30$
[[7,5,2][8,3,6][1,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,3,5][8,2,0][1,4,6]]

Generated Nodes :

[[7,3,0][8,2,5][1,4,6]] - $f(n) = 22 + 8 = 30$
[[7,3,5][8,0,2][1,4,6]] - Already visited Node!
[[7,3,5][8,2,6][1,4,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,3,5][0,8,2][1,4,6]]

Generated Nodes :

[[0,3,5][7,8,2][1,4,6]] - $f(n) = 22 + 8 = 30$
[[7,3,5][8,0,2][1,4,6]] - Already visited Node!
[[7,3,5][1,8,2][0,4,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,3,5][8,4,2][1,0,6]]

Generated Nodes :

[[7,3,5][8,0,2][1,4,6]] - Already visited Node!
[[7,3,5][8,4,2][1,6,0]] - $f(n) = 22 + 8 = 30$
[[7,3,5][8,4,2][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][1,3,0][4,6,2]]

Generated Nodes :

[[8,7,0][1,3,5][4,6,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,0,3][4,6,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,3,2][4,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,8,7][0,4,5][1,6,2]]

Generated Nodes :

[[0,8,7][3,4,5][1,6,2]] - Already visited Node!
[[3,8,7][4,0,5][1,6,2]] - $f(n) = 22 + 7 = 29$
[[3,8,7][1,4,5][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,4,7][0,3,5][1,6,2]]

Generated Nodes :

[[0,4,7][8,3,5][1,6,2]] - $f(n) = 22 + 8 = 30$
[[8,4,7][3,0,5][1,6,2]] - Already visited Node!
[[8,4,7][1,3,5][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,4,7][3,6,5][1,0,2]]

Generated Nodes :

[[8,4,7][3,0,5][1,6,2]] - Already visited Node!
[[8,4,7][3,6,5][1,2,0]] - $f(n) = 22 + 8 = 30$
[[8,4,7][3,6,5][0,1,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,4][3,7,0][1,6,2]]

Generated Nodes :

[[8,5,0][3,7,4][1,6,2]] - Already visited Node!
[[8,5,4][3,0,7][1,6,2]] - $f(n) = 22 + 8 = 30$
[[8,5,4][3,7,2][1,6,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,8,5][0,7,4][1,6,2]]

Generated Nodes :

[[0,8,5][3,7,4][1,6,2]] - Already visited Node!
[[3,8,5][7,0,4][1,6,2]] - $f(n) = 22 + 8 = 30$
[[3,8,5][1,7,4][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][8,3,4][1,6,2]]

Generated Nodes :

[[7,5,0][8,3,4][1,6,2]] - $f(n) = 22 + 8 = 30$
[[0,7,5][8,3,4][1,6,2]] - Already visited Node!
[[7,3,5][8,0,4][1,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][1,3,4][6,0,2]]

Generated Nodes :

[[8,7,5][1,0,4][6,3,2]] - $f(n) = 22 + 8 = 30$

[[8,7,5][1,3,4][6,2,0]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,3,4][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][3,6,0][1,2,4]]

Generated Nodes :

[[8,7,0][3,6,5][1,2,4]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,6][1,2,4]] - Already visited Node!
[[8,7,5][3,6,4][1,2,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,6,4][3,1,2]]

Generated Nodes :

[[0,7,5][8,6,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][6,0,4][3,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,6,4][0,1,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,4,5][2,7,0][3,1,6]]

Generated Nodes :

[[8,4,0][2,7,5][3,1,6]] - Already visited Node!
[[8,4,5][2,0,7][3,1,6]] - $f(n) = 22 + 8 = 30$
[[8,4,5][2,7,6][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[2,8,4][0,7,5][3,1,6]]

Generated Nodes :

[[0,8,4][2,7,5][3,1,6]] - Already visited Node!
[[2,8,4][7,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$
[[2,8,4][3,7,5][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,4][2,1,0][3,6,5]]

Generated Nodes :

[[8,7,0][2,1,4][3,6,5]] - $f(n) = 22 + 8 = 30$
[[8,7,4][2,0,1][3,6,5]] - $f(n) = 22 + 8 = 30$
[[8,7,4][2,1,5][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,4][0,1,5][2,3,6]]

Generated Nodes :

[[0,7,4][8,1,5][2,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,4][1,0,5][2,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,4][2,1,5][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,4][3,7,5][1,2,6]]

Generated Nodes :

[[8,4,0][3,7,5][1,2,6]] - $f(n) = 22 + 8 = 30$
[[0,8,4][3,7,5][1,2,6]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,0,5][1,2,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,4][0,3,5][1,2,6]]

Generated Nodes :

[[0,7,4][8,3,5][1,2,6]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,0,5][1,2,6]] - Already visited Node!
[[8,7,4][1,3,5][0,2,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,4][3,2,0][1,6,5]]

Generated Nodes :

[[8,7,0][3,2,4][1,6,5]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,0,2][1,6,5]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,2,5][1,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[4,5,2][3,7,8][1,0,6]]

Generated Nodes :

[[4,5,2][3,0,8][1,7,6]] - $f(n) = 22 + 8 = 30$
[[4,5,2][3,7,8][1,6,0]] - $f(n) = 22 + 8 = 30$
[[4,5,2][3,7,8][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,5,2][7,1,0][3,6,8]]

Generated Nodes :

[[4,5,0][7,1,2][3,6,8]] - $f(n) = 22 + 8 = 30$
[[4,5,2][7,0,1][3,6,8]] - $f(n) = 22 + 8 = 30$
[[4,5,2][7,1,8][3,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,8][0,2,5][3,1,6]]

Generated Nodes :

[[0,4,8][7,2,5][3,1,6]] - Already visited Node!
[[7,4,8][2,0,5][3,1,6]] - $f(n) = 22 + 8 = 30$
[[7,4,8][3,2,5][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,0,5][3,8,2][1,7,6]]

Generated Nodes :

[[4,5,0][3,8,2][1,7,6]] - $f(n) = 22 + 8 = 30$

[[0,4,5][3,8,2][1,7,6]] - $f(n) = 22 + 8 = 30$
[[4,8,5][3,0,2][1,7,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,8,5][3,2,0][1,7,6]]

Generated Nodes :

[[4,8,0][3,2,5][1,7,6]] - $f(n) = 22 + 8 = 30$
[[4,8,5][3,0,2][1,7,6]] - Already visited Node!
[[4,8,5][3,2,6][1,7,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,8,5][0,3,2][1,7,6]]

Generated Nodes :

[[0,8,5][4,3,2][1,7,6]] - $f(n) = 22 + 7 = 29$
[[4,8,5][3,0,2][1,7,6]] - Already visited Node!
[[4,8,5][1,3,2][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,8,5][3,7,0][1,6,2]]

Generated Nodes :

[[4,8,0][3,7,5][1,6,2]] - $f(n) = 22 + 8 = 30$
[[4,8,5][3,0,7][1,6,2]] - $f(n) = 22 + 8 = 30$
[[4,8,5][3,7,2][1,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[4,0,8][7,1,5][3,6,2]]

Generated Nodes :

[[4,8,0][7,1,5][3,6,2]] - Already visited Node!
[[0,4,8][7,1,5][3,6,2]] - $f(n) = 22 + 8 = 30$
[[4,1,8][7,0,5][3,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,8,5][0,7,1][3,6,2]]

Generated Nodes :

[[0,8,5][4,7,1][3,6,2]] - Already visited Node!
[[4,8,5][7,0,1][3,6,2]] - Already visited Node!
[[4,8,5][3,7,1][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,8,5][7,6,1][3,0,2]]

Generated Nodes :

[[4,8,5][7,0,1][3,6,2]] - Already visited Node!
[[4,8,5][7,6,1][3,2,0]] - $f(n) = 22 + 8 = 30$
[[4,8,5][7,6,1][0,3,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,7,4][0,8,5][1,6,2]]

Generated Nodes :

[[0,7,4][3,8,5][1,6,2]] - Already visited Node!
[[3,7,4][8,0,5][1,6,2]] - $f(n) = 22 + 8 = 30$
[[3,7,4][1,8,5][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,4][0,3,5][1,6,2]]

Generated Nodes :

[[0,8,4][7,3,5][1,6,2]] - $f(n) = 22 + 8 = 30$
[[7,8,4][3,0,5][1,6,2]] - Already visited Node!
[[7,8,4][1,3,5][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,4][3,6,5][1,0,2]]

Generated Nodes :

[[7,8,4][3,0,5][1,6,2]] - Already visited Node!
[[7,8,4][3,6,5][1,2,0]] - $f(n) = 22 + 8 = 30$
[[7,8,4][3,6,5][0,1,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,8][3,4,0][1,6,2]]

Generated Nodes :

[[7,5,0][3,4,8][1,6,2]] - Already visited Node!
[[7,5,8][3,0,4][1,6,2]] - $f(n) = 22 + 8 = 30$
[[7,5,8][3,4,2][1,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,5][0,4,8][1,6,2]]

Generated Nodes :

[[0,7,5][3,4,8][1,6,2]] - Already visited Node!
[[3,7,5][4,0,8][1,6,2]] - Already visited Node!
[[3,7,5][1,4,8][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,0,5][7,3,8][1,6,2]]

Generated Nodes :

[[4,5,0][7,3,8][1,6,2]] - $f(n) = 22 + 8 = 30$
[[0,4,5][7,3,8][1,6,2]] - Already visited Node!
[[4,3,5][7,0,8][1,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,4,5][1,3,8][6,0,2]]

Generated Nodes :

[[7,4,5][1,0,8][6,3,2]] - $f(n) = 22 + 8 = 30$

[[7,4,5][1,3,8][6,2,0]] - $f(n) = 22 + 8 = 30$
[[7,4,5][1,3,8][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,5][3,6,0][1,2,8]]

Generated Nodes :

[[7,4,0][3,6,5][1,2,8]] - $f(n) = 22 + 8 = 30$
[[7,4,5][3,0,6][1,2,8]] - Already visited Node!
[[7,4,5][3,6,8][1,2,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,4,5][0,6,8][3,1,2]]

Generated Nodes :

[[0,4,5][7,6,8][3,1,2]] - $f(n) = 22 + 8 = 30$
[[7,4,5][6,0,8][3,1,2]] - $f(n) = 22 + 8 = 30$
[[7,4,5][3,6,8][0,1,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,4][1,7,5][3,6,2]]

Generated Nodes :

[[8,4,0][1,7,5][3,6,2]] - $f(n) = 22 + 8 = 30$
[[0,8,4][1,7,5][3,6,2]] - $f(n) = 22 + 8 = 30$
[[8,7,4][1,0,5][3,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,4][1,6,5][3,0,2]]

Generated Nodes :

[[8,7,4][1,0,5][3,6,2]] - Already visited Node!
[[8,7,4][1,6,5][3,2,0]] - $f(n) = 22 + 8 = 30$
[[8,7,4][1,6,5][0,3,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,4][3,1,5][6,0,2]]

Generated Nodes :

[[8,7,4][3,0,5][6,1,2]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,1,5][6,2,0]] - $f(n) = 22 + 8 = 30$
[[8,7,4][3,1,5][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,4][3,8,5][6,0,2]]

Generated Nodes :

[[7,1,4][3,0,5][6,8,2]] - $f(n) = 22 + 7 = 29$
[[7,1,4][3,8,5][6,2,0]] - $f(n) = 22 + 8 = 30$
[[7,1,4][3,8,5][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,4][8,6,0][3,2,5]]

Generated Nodes :

[[7,1,0][8,6,4][3,2,5]] - $f(n) = 22 + 8 = 30$
[[7,1,4][8,0,6][3,2,5]] - $f(n) = 22 + 7 = 29$
[[7,1,4][8,6,5][3,2,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,4][0,6,5][8,3,2]]

Generated Nodes :

[[0,1,4][7,6,5][8,3,2]] - $f(n) = 22 + 8 = 30$
[[7,1,4][6,0,5][8,3,2]] - $f(n) = 22 + 8 = 30$
[[7,1,4][8,6,5][0,3,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,1][0,8,4][3,6,2]]

Generated Nodes :

[[0,5,1][7,8,4][3,6,2]] - $f(n) = 22 + 8 = 30$
[[7,5,1][8,0,4][3,6,2]] - Already visited Node!
[[7,5,1][3,8,4][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,1][8,6,4][3,0,2]]

Generated Nodes :

[[7,5,1][8,0,4][3,6,2]] - Already visited Node!
[[7,5,1][8,6,4][3,2,0]] - $f(n) = 22 + 8 = 30$
[[7,5,1][8,6,4][0,3,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,1][8,4,2][3,0,6]]

Generated Nodes :

[[7,5,1][8,0,2][3,4,6]] - $f(n) = 22 + 8 = 30$
[[7,5,1][8,4,2][3,6,0]] - Already visited Node!
[[7,5,1][8,4,2][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][3,4,1][6,0,2]]

Generated Nodes :

[[8,7,5][3,0,1][6,4,2]] - Already visited Node!
[[8,7,5][3,4,1][6,2,0]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,4,1][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[4,5,1][7,8,0][3,6,2]]

Generated Nodes :

[[4,5,0][7,8,1][3,6,2]] - Already visited Node!

$[[4,5,1][7,0,8][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[4,5,1][7,8,2][3,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,5][0,7,1][3,6,2]]$

Generated Nodes :

$[[0,8,5][4,7,1][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,5][7,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,5][3,7,1][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[4,8,5][7,6,1][3,0,2]]$

Generated Nodes :

$[[4,8,5][7,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[4,8,5][7,6,1][3,2,0]] - f(n) = 22 + 8 = 30$
 $[[4,8,5][7,6,1][0,3,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][3,8,0][6,2,1]]$

Generated Nodes :

$[[7,4,0][3,8,5][6,2,1]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][3,0,8][6,2,1]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][3,8,1][6,2,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,0,5][7,6,1][8,3,2]]$

Generated Nodes :

$[[4,5,0][7,6,1][8,3,2]] - f(n) = 22 + 8 = 30$
 $[[0,4,5][7,6,1][8,3,2]] - \text{Already visited Node!}$
 $[[4,6,5][7,0,1][8,3,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][6,4,1][8,3,2]]$

Generated Nodes :

$[[7,5,0][6,4,1][8,3,2]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][6,4,1][8,3,2]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][6,0,1][8,3,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][6,1,0][8,3,2]]$

Generated Nodes :

$[[7,4,0][6,1,5][8,3,2]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][6,0,1][8,3,2]] - \text{Already visited Node!}$
 $[[7,4,5][6,1,2][8,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][6,3,1][8,0,2]]$

Generated Nodes :

[[7,4,5][6,0,1][8,3,2]] - Already visited Node!
[[7,4,5][6,3,1][8,2,0]] - $f(n) = 22 + 8 = 30$
[[7,4,5][6,3,1][0,8,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,5,2][0,7,1][8,3,6]]

Generated Nodes :

[[0,5,2][4,7,1][8,3,6]] - $f(n) = 22 + 7 = 29$
[[4,5,2][7,0,1][8,3,6]] - Already visited Node!
[[4,5,2][8,7,1][0,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[4,5,2][7,3,1][8,0,6]]

Generated Nodes :

[[4,5,2][7,0,1][8,3,6]] - Already visited Node!
[[4,5,2][7,3,1][8,6,0]] - $f(n) = 22 + 8 = 30$
[[4,5,2][7,3,1][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,0,1][7,2,5][8,3,6]]

Generated Nodes :

[[4,1,0][7,2,5][8,3,6]] - Already visited Node!
[[0,4,1][7,2,5][8,3,6]] - $f(n) = 22 + 8 = 30$
[[4,2,1][7,0,5][8,3,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,1,5][8,7,2][3,0,6]]

Generated Nodes :

[[4,1,5][8,0,2][3,7,6]] - $f(n) = 22 + 8 = 30$
[[4,1,5][8,7,2][3,6,0]] - $f(n) = 22 + 8 = 30$
[[4,1,5][8,7,2][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[4,1,5][7,3,0][8,6,2]]

Generated Nodes :

[[4,1,0][7,3,5][8,6,2]] - $f(n) = 22 + 8 = 30$
[[4,1,5][7,0,3][8,6,2]] - $f(n) = 22 + 8 = 30$
[[4,1,5][7,3,2][8,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,4][1,3,5][8,6,2]]

Generated Nodes :

[[7,4,0][1,3,5][8,6,2]] - Already visited Node!

$[[0,7,4][1,3,5][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,3,4][1,0,5][8,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][1,4,3][8,6,2]]$

Generated Nodes :

$[[7,5,0][1,4,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][1,4,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][1,0,3][8,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][0,1,3][8,6,2]]$

Generated Nodes :

$[[0,4,5][7,1,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][1,0,3][8,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][8,1,3][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,4,5][1,6,3][8,0,2]]$

Generated Nodes :

$[[7,4,5][1,0,3][8,6,2]] - \text{Already visited Node!}$
 $[[7,4,5][1,6,3][8,2,0]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][1,6,3][0,8,2]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,8][3,2,0][1,4,6]]$

Generated Nodes :

$[[7,5,0][3,2,8][1,4,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,0,2][1,4,6]] - \text{Already visited Node!}$
 $[[7,5,8][3,2,6][1,4,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,8][0,3,2][1,4,6]]$

Generated Nodes :

$[[0,5,8][7,3,2][1,4,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,0,2][1,4,6]] - \text{Already visited Node!}$
 $[[7,5,8][1,3,2][0,4,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,8][3,4,0][1,6,2]]$

Generated Nodes :

$[[7,5,0][3,4,8][1,6,2]] - \text{Already visited Node!}$
 $[[7,5,8][3,0,4][1,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,4,2][1,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,8,2][5,7,0][3,1,6]]$

Generated Nodes :

[[4,8,0][5,7,2][3,1,6]] - Already visited Node!
[[4,8,2][5,0,7][3,1,6]] - $f(n) = 22 + 8 = 30$
[[4,8,2][5,7,6][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,7,8][5,2,0][3,1,6]]

Generated Nodes :

[[4,7,0][5,2,8][3,1,6]] - $f(n) = 22 + 8 = 30$
[[4,7,8][5,0,2][3,1,6]] - Already visited Node!
[[4,7,8][5,2,6][3,1,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[4,7,8][5,1,2][3,0,6]]

Generated Nodes :

[[4,7,8][5,0,2][3,1,6]] - Already visited Node!
[[4,7,8][5,1,2][3,6,0]] - $f(n) = 22 + 8 = 30$
[[4,7,8][5,1,2][0,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,8][3,2,0][1,7,6]]

Generated Nodes :

[[5,4,0][3,2,8][1,7,6]] - Already visited Node!
[[5,4,8][3,0,2][1,7,6]] - Already visited Node!
[[5,4,8][3,2,6][1,7,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[5,4,8][0,3,2][1,7,6]]

Generated Nodes :

[[0,4,8][5,3,2][1,7,6]] - $f(n) = 22 + 8 = 30$
[[5,4,8][3,0,2][1,7,6]] - Already visited Node!
[[5,4,8][1,3,2][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,4,8][3,7,0][1,6,2]]

Generated Nodes :

[[5,4,0][3,7,8][1,6,2]] - $f(n) = 22 + 8 = 30$
[[5,4,8][3,0,7][1,6,2]] - $f(n) = 22 + 8 = 30$
[[5,4,8][3,7,2][1,6,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,4][7,1,8][3,6,2]]

Generated Nodes :

[[5,4,0][7,1,8][3,6,2]] - Already visited Node!

$[[0,5,4][7,1,8][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[5,1,4][7,0,8][3,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,0,8][7,4,1][3,6,2]]$

Generated Nodes :

$[[5,8,0][7,4,1][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[0,5,8][7,4,1][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[5,4,8][7,0,1][3,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,4,8][0,7,1][3,6,2]]$

Generated Nodes :

$[[0,4,8][5,7,1][3,6,2]] - f(n) = 22 + 8 = 30$
 $[[5,4,8][7,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[5,4,8][3,7,1][0,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,4,8][7,6,1][3,0,2]]$

Generated Nodes :

$[[5,4,8][7,0,1][3,6,2]] - \text{Already visited Node!}$
 $[[5,4,8][7,6,1][3,2,0]] - f(n) = 22 + 8 = 30$
 $[[5,4,8][7,6,1][0,3,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,8,7][0,4,2][3,1,6]]$

Generated Nodes :

$[[0,8,7][5,4,2][3,1,6]] - \text{Already visited Node!}$
 $[[5,8,7][4,0,2][3,1,6]] - f(n) = 22 + 7 = 29$
 $[[5,8,7][3,4,2][0,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,4,7][5,2,0][3,1,6]]$

Generated Nodes :

$[[8,4,0][5,2,7][3,1,6]] - \text{Already visited Node!}$
 $[[8,4,7][5,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[8,4,7][5,2,6][3,1,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,4,7][5,1,2][3,0,6]]$

Generated Nodes :

$[[8,4,7][5,0,2][3,1,6]] - \text{Already visited Node!}$
 $[[8,4,7][5,1,2][3,6,0]] - f(n) = 22 + 8 = 30$
 $[[8,4,7][5,1,2][0,3,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,2][8,1,4][5,3,6]]$

Generated Nodes :

[[7,2,0][8,1,4][5,3,6]] - $f(n) = 22 + 7 = 29$
[[0,7,2][8,1,4][5,3,6]] - Already visited Node!
[[7,1,2][8,0,4][5,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,2][1,7,4][5,3,6]]

Generated Nodes :

[[8,2,0][1,7,4][5,3,6]] - $f(n) = 22 + 7 = 29$
[[0,8,2][1,7,4][5,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,2][1,0,4][5,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,2][1,4,0][5,3,6]]

Generated Nodes :

[[8,7,0][1,4,2][5,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,2][1,0,4][5,3,6]] - Already visited Node!
[[8,7,2][1,4,6][5,3,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,2][1,3,4][5,0,6]]

Generated Nodes :

[[8,7,2][1,0,4][5,3,6]] - Already visited Node!
[[8,7,2][1,3,4][5,6,0]] - $f(n) = 22 + 8 = 30$
[[8,7,2][1,3,4][0,5,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,5,2][8,4,0][1,7,6]]

Generated Nodes :

[[3,5,0][8,4,2][1,7,6]] - $f(n) = 22 + 8 = 30$
[[3,5,2][8,0,4][1,7,6]] - Already visited Node!
[[3,5,2][8,4,6][1,7,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,5,2][8,7,4][1,0,6]]

Generated Nodes :

[[3,5,2][8,0,4][1,7,6]] - Already visited Node!
[[3,5,2][8,7,4][1,6,0]] - $f(n) = 22 + 8 = 30$
[[3,5,2][8,7,4][0,1,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,5,8][0,4,2][1,7,6]]

Generated Nodes :

[[0,5,8][3,4,2][1,7,6]] - Already visited Node!

$[[3,5,8][4,0,2][1,7,6]] - f(n) = 22 + 7 = 29$
 $[[3,5,8][1,4,2][0,7,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,4,8][3,2,0][1,7,6]]$

Generated Nodes :

$[[5,4,0][3,2,8][1,7,6]] - \text{Already visited Node!}$
 $[[5,4,8][3,0,2][1,7,6]] - \text{Already visited Node!}$
 $[[5,4,8][3,2,6][1,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,4,8][0,3,2][1,7,6]]$

Generated Nodes :

$[[0,4,8][5,3,2][1,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,4,8][3,0,2][1,7,6]] - \text{Already visited Node!}$
 $[[5,4,8][1,3,2][0,7,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,3,2][5,4,0][1,7,6]]$

Generated Nodes :

$[[8,3,0][5,4,2][1,7,6]] - f(n) = 22 + 8 = 30$
 $[[8,3,2][5,0,4][1,7,6]] - \text{Already visited Node!}$
 $[[8,3,2][5,4,6][1,7,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,3,2][5,7,4][1,0,6]]$

Generated Nodes :

$[[8,3,2][5,0,4][1,7,6]] - \text{Already visited Node!}$
 $[[8,3,2][5,7,4][1,6,0]] - f(n) = 22 + 8 = 30$
 $[[8,3,2][5,7,4][0,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,5,8][0,7,2][1,6,4]]$

Generated Nodes :

$[[0,5,8][3,7,2][1,6,4]] - \text{Already visited Node!}$
 $[[3,5,8][7,0,2][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,5,8][1,7,2][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,7,8][3,2,0][1,6,4]]$

Generated Nodes :

$[[5,7,0][3,2,8][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[5,7,8][3,0,2][1,6,4]] - \text{Already visited Node!}$
 $[[5,7,8][3,2,4][1,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,7,8][0,3,2][1,6,4]]$

Generated Nodes :

[[0,7,8][5,3,2][1,6,4]] - $f(n) = 22 + 8 = 30$
[[5,7,8][3,0,2][1,6,4]] - Already visited Node!
[[5,7,8][1,3,2][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,7,8][3,6,2][1,0,4]]

Generated Nodes :

[[5,7,8][3,0,2][1,6,4]] - Already visited Node!
[[5,7,8][3,6,2][1,4,0]] - $f(n) = 22 + 8 = 30$
[[5,7,8][3,6,2][0,1,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,5,2][0,8,7][1,6,4]]

Generated Nodes :

[[0,5,2][3,8,7][1,6,4]] - Already visited Node!
[[3,5,2][8,0,7][1,6,4]] - $f(n) = 22 + 8 = 30$
[[3,5,2][1,8,7][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,2][5,3,7][1,6,4]]

Generated Nodes :

[[8,2,0][5,3,7][1,6,4]] - $f(n) = 22 + 7 = 29$
[[0,8,2][5,3,7][1,6,4]] - Already visited Node!
[[8,3,2][5,0,7][1,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,8,2][1,3,7][6,0,4]]

Generated Nodes :

[[5,8,2][1,0,7][6,3,4]] - $f(n) = 22 + 8 = 30$
[[5,8,2][1,3,7][6,4,0]] - $f(n) = 22 + 8 = 30$
[[5,8,2][1,3,7][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][3,6,0][1,4,7]]

Generated Nodes :

[[5,8,0][3,6,2][1,4,7]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,6][1,4,7]] - Already visited Node!
[[5,8,2][3,6,7][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][0,6,7][3,1,4]]

Generated Nodes :

[[0,8,2][5,6,7][3,1,4]] - $f(n) = 22 + 8 = 30$

$[[5,8,2][6,0,7][3,1,4]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,6,7][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,8][1,2,0][3,6,4]]$

Generated Nodes :

$[[7,5,0][1,2,8][3,6,4]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][1,0,2][3,6,4]] - \text{Already visited Node!}$
 $[[7,5,8][1,2,4][3,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,8][1,6,2][3,0,4]]$

Generated Nodes :

$[[7,5,8][1,0,2][3,6,4]] - \text{Already visited Node!}$
 $[[7,5,8][1,6,2][3,4,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][1,6,2][0,3,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,8][3,1,2][6,0,4]]$

Generated Nodes :

$[[7,5,8][3,0,2][6,1,4]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,1,2][6,4,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,8][3,1,2][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,1,8][7,2,4][3,0,6]]$

Generated Nodes :

$[[5,1,8][7,0,4][3,2,6]] - f(n) = 22 + 8 = 30$
 $[[5,1,8][7,2,4][3,6,0]] - \text{Already visited Node!}$
 $[[5,1,8][7,2,4][0,3,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,1,8][3,7,2][6,0,4]]$

Generated Nodes :

$[[5,1,8][3,0,2][6,7,4]] - f(n) = 22 + 8 = 30$
 $[[5,1,8][3,7,2][6,4,0]] - f(n) = 22 + 8 = 30$
 $[[5,1,8][3,7,2][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,1,8][7,6,0][3,4,2]]$

Generated Nodes :

$[[5,1,0][7,6,8][3,4,2]] - f(n) = 22 + 8 = 30$
 $[[5,1,8][7,0,6][3,4,2]] - f(n) = 22 + 7 = 29$
 $[[5,1,8][7,6,2][3,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,2][3,8,1][6,7,4]]$

Generated Nodes :

$[[5,2,0][3,8,1][6,7,4]] - f(n) = 22 + 7 = 29$
 $[[0,5,2][3,8,1][6,7,4]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,1][6,7,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,8,2][3,1,0][6,7,4]]$

Generated Nodes :

$[[5,8,0][3,1,2][6,7,4]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,1][6,7,4]] - \text{Already visited Node!}$
 $[[5,8,2][3,1,4][6,7,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,8,2][0,3,1][6,7,4]]$

Generated Nodes :

$[[0,8,2][5,3,1][6,7,4]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,1][6,7,4]] - \text{Already visited Node!}$
 $[[5,8,2][6,3,1][0,7,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,8,2][3,7,0][6,4,1]]$

Generated Nodes :

$[[5,8,0][3,7,2][6,4,1]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,0,7][6,4,1]] - f(n) = 22 + 8 = 30$
 $[[5,8,2][3,7,1][6,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,5,2][8,7,0][1,6,4]]$

Generated Nodes :

$[[3,5,0][8,7,2][1,6,4]] - \text{Already visited Node!}$
 $[[3,5,2][8,0,7][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,5,2][8,7,4][1,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,3,5][0,7,2][1,6,4]]$

Generated Nodes :

$[[0,3,5][8,7,2][1,6,4]] - \text{Already visited Node!}$
 $[[8,3,5][7,0,2][1,6,4]] - \text{Already visited Node!}$
 $[[8,3,5][1,7,2][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,0,7][8,2,5][1,6,4]]$

Generated Nodes :

$[[3,7,0][8,2,5][1,6,4]] - \text{Already visited Node!}$

$[[0,3,7][8,2,5][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,2,7][8,0,5][1,6,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[3,7,5][8,2,4][1,0,6]]$

Generated Nodes :

$[[3,7,5][8,0,4][1,2,6]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][8,2,4][1,6,0]] - \text{Already visited Node!}$
 $[[3,7,5][8,2,4][0,1,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,7,5][8,6,0][1,4,2]]$

Generated Nodes :

$[[3,7,0][8,6,5][1,4,2]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][8,0,6][1,4,2]] - f(n) = 22 + 7 = 29$
 $[[3,7,5][8,6,2][1,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,5][0,6,2][8,1,4]]$

Generated Nodes :

$[[0,7,5][3,6,2][8,1,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][6,0,2][8,1,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][8,6,2][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,5][1,8,0][6,4,2]]$

Generated Nodes :

$[[3,7,0][1,8,5][6,4,2]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,0,8][6,4,2]] - f(n) = 22 + 8 = 30$
 $[[3,7,5][1,8,2][6,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[3,7,8][0,2,5][1,6,4]]$

Generated Nodes :

$[[0,7,8][3,2,5][1,6,4]] - \text{Already visited Node!}$
 $[[3,7,8][2,0,5][1,6,4]] - f(n) = 22 + 8 = 30$
 $[[3,7,8][1,2,5][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][3,8,4][1,2,6]]$

Generated Nodes :

$[[7,5,0][3,8,4][1,2,6]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][3,8,4][1,2,6]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][3,0,4][1,2,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,8,5][3,4,0][1,2,6]]$

Generated Nodes :

[[7,8,0][3,4,5][1,2,6]] - $f(n) = 22 + 8 = 30$
[[7,8,5][3,0,4][1,2,6]] - Already visited Node!
[[7,8,5][3,4,6][1,2,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,8,5][0,3,4][1,2,6]]

Generated Nodes :

[[0,8,5][7,3,4][1,2,6]] - $f(n) = 22 + 8 = 30$
[[7,8,5][3,0,4][1,2,6]] - Already visited Node!
[[7,8,5][1,3,4][0,2,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,5][0,2,4][3,1,6]]

Generated Nodes :

[[0,8,5][7,2,4][3,1,6]] - $f(n) = 22 + 8 = 30$
[[7,8,5][2,0,4][3,1,6]] - $f(n) = 22 + 8 = 30$
[[7,8,5][3,2,4][0,1,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,5,2][7,3,0][1,6,4]]

Generated Nodes :

[[8,5,0][7,3,2][1,6,4]] - Already visited Node!
[[8,5,2][7,0,3][1,6,4]] - $f(n) = 22 + 8 = 30$
[[8,5,2][7,3,4][1,6,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,3,5][7,2,0][1,6,4]]

Generated Nodes :

[[8,3,0][7,2,5][1,6,4]] - $f(n) = 22 + 8 = 30$
[[8,3,5][7,0,2][1,6,4]] - Already visited Node!
[[8,3,5][7,2,4][1,6,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,3,5][0,7,2][1,6,4]]

Generated Nodes :

[[0,3,5][8,7,2][1,6,4]] - Already visited Node!
[[8,3,5][7,0,2][1,6,4]] - Already visited Node!
[[8,3,5][1,7,2][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,3,5][7,6,2][1,0,4]]

Generated Nodes :

[[8,3,5][7,0,2][1,6,4]] - Already visited Node!

$[[8,3,5][7,6,2][1,4,0]] - f(n) = 22 + 8 = 30$
 $[[8,3,5][7,6,2][0,1,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][1,8,2][6,3,4]]$

Generated Nodes :

$[[7,5,0][1,8,2][6,3,4]] - \text{Already visited Node!}$
 $[[0,7,5][1,8,2][6,3,4]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][1,0,2][6,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,8,5][1,2,0][6,3,4]]$

Generated Nodes :

$[[7,8,0][1,2,5][6,3,4]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][1,0,2][6,3,4]] - \text{Already visited Node!}$
 $[[7,8,5][1,2,4][6,3,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,8,5][0,1,2][6,3,4]]$

Generated Nodes :

$[[0,8,5][7,1,2][6,3,4]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][1,0,2][6,3,4]] - \text{Already visited Node!}$
 $[[7,8,5][6,1,2][0,3,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,8,5][1,3,0][6,4,2]]$

Generated Nodes :

$[[7,8,0][1,3,5][6,4,2]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][1,0,3][6,4,2]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][1,3,2][6,4,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,8][3,6,5][1,4,2]]$

Generated Nodes :

$[[7,8,0][3,6,5][1,4,2]] - \text{Already visited Node!}$
 $[[0,7,8][3,6,5][1,4,2]] - f(n) = 22 + 8 = 30$
 $[[7,6,8][3,0,5][1,4,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,0,5][7,6,2][3,1,4]]$

Generated Nodes :

$[[8,5,0][7,6,2][3,1,4]] - f(n) = 22 + 8 = 30$
 $[[0,8,5][7,6,2][3,1,4]] - \text{Already visited Node!}$
 $[[8,6,5][7,0,2][3,1,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][6,8,2][3,1,4]]$

Generated Nodes :

[[7,5,0][6,8,2][3,1,4]] - Already visited Node!
[[0,7,5][6,8,2][3,1,4]] - $f(n) = 22 + 8 = 30$
[[7,8,5][6,0,2][3,1,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,8,5][6,2,0][3,1,4]]

Generated Nodes :

[[7,8,0][6,2,5][3,1,4]] - $f(n) = 22 + 8 = 30$
[[7,8,5][6,0,2][3,1,4]] - Already visited Node!
[[7,8,5][6,2,4][3,1,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,5][6,1,2][3,0,4]]

Generated Nodes :

[[7,8,5][6,0,2][3,1,4]] - Already visited Node!
[[7,8,5][6,1,2][3,4,0]] - $f(n) = 22 + 8 = 30$
[[7,8,5][6,1,2][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,3,2][1,7,8][6,0,4]]

Generated Nodes :

[[5,3,2][1,0,8][6,7,4]] - $f(n) = 22 + 8 = 30$
[[5,3,2][1,7,8][6,4,0]] - $f(n) = 22 + 8 = 30$
[[5,3,2][1,7,8][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,3,2][7,6,0][1,4,8]]

Generated Nodes :

[[5,3,0][7,6,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[5,3,2][7,0,6][1,4,8]] - Already visited Node!
[[5,3,2][7,6,8][1,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,0,5][1,8,2][6,3,4]]

Generated Nodes :

[[7,5,0][1,8,2][6,3,4]] - Already visited Node!
[[0,7,5][1,8,2][6,3,4]] - $f(n) = 22 + 8 = 30$
[[7,8,5][1,0,2][6,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][1,8,4][6,0,3]]

Generated Nodes :

[[7,5,2][1,0,4][6,8,3]] - $f(n) = 22 + 7 = 29$

[[7,5,2][1,8,4][6,3,0]] - Already visited Node!
[[7,5,2][1,8,4][0,6,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,2][7,1,8][6,3,4]]

Generated Nodes :

[[5,2,0][7,1,8][6,3,4]] - $f(n) = 22 + 7 = 29$
[[0,5,2][7,1,8][6,3,4]] - Already visited Node!
[[5,1,2][7,0,8][6,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][1,3,2][6,4,8]]

Generated Nodes :

[[7,5,0][1,3,2][6,4,8]] - Already visited Node!
[[0,7,5][1,3,2][6,4,8]] - $f(n) = 22 + 8 = 30$
[[7,3,5][1,0,2][6,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][0,1,3][6,4,8]]

Generated Nodes :

[[0,5,2][7,1,3][6,4,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][1,0,3][6,4,8]] - Already visited Node!
[[7,5,2][6,1,3][0,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][1,4,3][6,0,8]]

Generated Nodes :

[[7,5,2][1,0,3][6,4,8]] - Already visited Node!
[[7,5,2][1,4,3][6,8,0]] - $f(n) = 22 + 7 = 29$
[[7,5,2][1,4,3][0,6,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[3,7,5][0,6,2][1,4,8]]

Generated Nodes :

[[0,7,5][3,6,2][1,4,8]] - Already visited Node!
[[3,7,5][6,0,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[3,7,5][1,6,2][0,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][3,2,0][1,4,8]]

Generated Nodes :

[[7,6,0][3,2,5][1,4,8]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,0,2][1,4,8]] - Already visited Node!
[[7,6,5][3,2,8][1,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][0,3,2][1,4,8]]

Generated Nodes :

[[0,6,5][7,3,2][1,4,8]] - $f(n) = 22 + 8 = 30$
[[7,6,5][3,0,2][1,4,8]] - Already visited Node!
[[7,6,5][1,3,2][0,4,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,5][3,4,2][1,0,8]]

Generated Nodes :

[[7,6,5][3,0,2][1,4,8]] - Already visited Node!
[[7,6,5][3,4,2][1,8,0]] - $f(n) = 22 + 7 = 29$
[[7,6,5][3,4,2][0,1,8]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,2][7,8,0][3,1,4]]

Generated Nodes :

[[5,6,0][7,8,2][3,1,4]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,0,8][3,1,4]] - Already visited Node!
[[5,6,2][7,8,4][3,1,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,2][0,7,8][3,1,4]]

Generated Nodes :

[[0,6,2][5,7,8][3,1,4]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,0,8][3,1,4]] - Already visited Node!
[[5,6,2][3,7,8][0,1,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,6,2][7,1,8][3,0,4]]

Generated Nodes :

[[5,6,2][7,0,8][3,1,4]] - Already visited Node!
[[5,6,2][7,1,8][3,4,0]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,1,8][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][6,8,2][3,1,4]]

Generated Nodes :

[[7,5,0][6,8,2][3,1,4]] - Already visited Node!
[[0,7,5][6,8,2][3,1,4]] - $f(n) = 22 + 8 = 30$
[[7,8,5][6,0,2][3,1,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][6,8,4][3,0,1]]

Generated Nodes :

[[7,5,2][6,0,4][3,8,1]] - Already visited Node!

[[7,5,2][6,8,4][3,1,0]] - Already visited Node!
[[7,5,2][6,8,4][0,3,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][6,1,0][3,4,8]]

Generated Nodes :

[[7,5,0][6,1,2][3,4,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,0,1][3,4,8]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,1,8][3,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[8,5,2][0,1,7][3,6,4]]

Generated Nodes :

[[0,5,2][8,1,7][3,6,4]] - $f(n) = 22 + 8 = 30$
[[8,5,2][1,0,7][3,6,4]] - Already visited Node!
[[8,5,2][3,1,7][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,2][1,6,7][3,0,4]]

Generated Nodes :

[[8,5,2][1,0,7][3,6,4]] - Already visited Node!
[[8,5,2][1,6,7][3,4,0]] - $f(n) = 22 + 8 = 30$
[[8,5,2][1,6,7][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,5,2][1,7,4][3,0,6]]

Generated Nodes :

[[8,5,2][1,0,4][3,7,6]] - $f(n) = 22 + 8 = 30$
[[8,5,2][1,7,4][3,6,0]] - Already visited Node!
[[8,5,2][1,7,4][0,3,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,5][1,7,4][3,2,6]]

Generated Nodes :

[[8,5,0][1,7,4][3,2,6]] - $f(n) = 22 + 8 = 30$
[[0,8,5][1,7,4][3,2,6]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,0,4][3,2,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][1,4,0][3,2,6]]

Generated Nodes :

[[8,7,0][1,4,5][3,2,6]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,0,4][3,2,6]] - Already visited Node!
[[8,7,5][1,4,6][3,2,0]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[8,7,5][0,1,4][3,2,6]]

Generated Nodes :

[[0,7,5][8,1,4][3,2,6]] - Already visited Node!
[[8,7,5][1,0,4][3,2,6]] - Already visited Node!
[[8,7,5][3,1,4][0,2,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][0,2,4][1,3,6]]

Generated Nodes :

[[0,7,5][8,2,4][1,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,5][2,0,4][1,3,6]] - $f(n) = 22 + 8 = 30$
[[8,7,5][1,2,4][0,3,6]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,7][1,6,5][3,4,2]]

Generated Nodes :

[[8,7,0][1,6,5][3,4,2]] - Already visited Node!
[[0,8,7][1,6,5][3,4,2]] - $f(n) = 22 + 8 = 30$
[[8,6,7][1,0,5][3,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][8,6,2][1,3,4]]

Generated Nodes :

[[7,5,0][8,6,2][1,3,4]] - $f(n) = 22 + 8 = 30$
[[0,7,5][8,6,2][1,3,4]] - Already visited Node!
[[7,6,5][8,0,2][1,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,5][6,7,2][1,3,4]]

Generated Nodes :

[[8,5,0][6,7,2][1,3,4]] - $f(n) = 22 + 8 = 30$
[[0,8,5][6,7,2][1,3,4]] - $f(n) = 22 + 8 = 30$
[[8,7,5][6,0,2][1,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][6,2,0][1,3,4]]

Generated Nodes :

[[8,7,0][6,2,5][1,3,4]] - $f(n) = 22 + 8 = 30$
[[8,7,5][6,0,2][1,3,4]] - Already visited Node!
[[8,7,5][6,2,4][1,3,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][6,3,2][1,0,4]]

Generated Nodes :

[[8,7,5][6,0,2][1,3,4]] - Already visited Node!

$[[8,7,5][6,3,2][1,4,0]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][6,3,2][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,5,2][3,7,0][6,1,4]]$

Generated Nodes :

$[[8,5,0][3,7,2][6,1,4]] - \text{Already visited Node!}$
 $[[8,5,2][3,0,7][6,1,4]] - f(n) = 22 + 8 = 30$
 $[[8,5,2][3,7,4][6,1,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[3,8,5][0,7,2][6,1,4]]$

Generated Nodes :

$[[0,8,5][3,7,2][6,1,4]] - \text{Already visited Node!}$
 $[[3,8,5][7,0,2][6,1,4]] - f(n) = 22 + 8 = 30$
 $[[3,8,5][6,7,2][0,1,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,0,7][3,2,5][6,1,4]]$

Generated Nodes :

$[[8,7,0][3,2,5][6,1,4]] - \text{Already visited Node!}$
 $[[0,8,7][3,2,5][6,1,4]] - f(n) = 22 + 8 = 30$
 $[[8,2,7][3,0,5][6,1,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,7,5][3,2,4][6,0,1]]$

Generated Nodes :

$[[8,7,5][3,0,4][6,2,1]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][3,2,4][6,1,0]] - \text{Already visited Node!}$
 $[[8,7,5][3,2,4][0,6,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][8,3,2][6,1,4]]$

Generated Nodes :

$[[7,5,0][8,3,2][6,1,4]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][8,3,2][6,1,4]] - \text{Already visited Node!}$
 $[[7,3,5][8,0,2][6,1,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[8,7,5][6,3,2][1,0,4]]$

Generated Nodes :

$[[8,7,5][6,0,2][1,3,4]] - \text{Already visited Node!}$
 $[[8,7,5][6,3,2][1,4,0]] - f(n) = 22 + 8 = 30$
 $[[8,7,5][6,3,2][0,1,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,0,7][3,1,5][6,4,2]]$

Generated Nodes :

[[8,7,0][3,1,5][6,4,2]] - Already visited Node!
[[0,8,7][3,1,5][6,4,2]] - $f(n) = 22 + 8 = 30$
[[8,1,7][3,0,5][6,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,0,5][3,7,1][6,4,2]]

Generated Nodes :

[[8,5,0][3,7,1][6,4,2]] - $f(n) = 22 + 8 = 30$
[[0,8,5][3,7,1][6,4,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,1][6,4,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,5][0,3,1][6,4,2]]

Generated Nodes :

[[0,7,5][8,3,1][6,4,2]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,0,1][6,4,2]] - Already visited Node!
[[8,7,5][6,3,1][0,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,5][3,4,1][6,0,2]]

Generated Nodes :

[[8,7,5][3,0,1][6,4,2]] - Already visited Node!
[[8,7,5][3,4,1][6,2,0]] - $f(n) = 22 + 8 = 30$
[[8,7,5][3,4,1][0,6,2]] - Already visited Node!

Node Chosen for Level 22 - [[8,0,1][2,7,5][3,6,4]]

Generated Nodes :

[[8,1,0][2,7,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[0,8,1][2,7,5][3,6,4]] - $f(n) = 22 + 8 = 30$
[[8,7,1][2,0,5][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[8,7,1][2,6,5][3,0,4]]

Generated Nodes :

[[8,7,1][2,0,5][3,6,4]] - Already visited Node!
[[8,7,1][2,6,5][3,4,0]] - $f(n) = 22 + 8 = 30$
[[8,7,1][2,6,5][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,1][3,2,5][6,0,4]]

Generated Nodes :

[[8,7,1][3,0,5][6,2,4]] - $f(n) = 22 + 8 = 30$

$[[8,7,1][3,2,5][6,4,0]] - f(n) = 22 + 8 = 30$
 $[[8,7,1][3,2,5][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,4][8,1,0][3,2,6]]$

Generated Nodes :

$[[7,5,0][8,1,4][3,2,6]] - \text{Already visited Node!}$
 $[[7,5,4][8,0,1][3,2,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,4][8,1,6][3,2,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[8,7,5][0,1,4][3,2,6]]$

Generated Nodes :

$[[0,7,5][8,1,4][3,2,6]] - \text{Already visited Node!}$
 $[[8,7,5][1,0,4][3,2,6]] - \text{Already visited Node!}$
 $[[8,7,5][3,1,4][0,2,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,1][8,4,5][3,2,6]]$

Generated Nodes :

$[[7,1,0][8,4,5][3,2,6]] - \text{Already visited Node!}$
 $[[0,7,1][8,4,5][3,2,6]] - f(n) = 22 + 8 = 30$
 $[[7,4,1][8,0,5][3,2,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,1,5][3,8,4][2,0,6]]$

Generated Nodes :

$[[7,1,5][3,0,4][2,8,6]] - f(n) = 22 + 7 = 29$
 $[[7,1,5][3,8,4][2,6,0]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][3,8,4][0,2,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,5][2,1,4][8,3,6]]$

Generated Nodes :

$[[7,5,0][2,1,4][8,3,6]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][2,1,4][8,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][2,0,4][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,1,5][2,4,0][8,3,6]]$

Generated Nodes :

$[[7,1,0][2,4,5][8,3,6]] - f(n) = 22 + 8 = 30$
 $[[7,1,5][2,0,4][8,3,6]] - \text{Already visited Node!}$
 $[[7,1,5][2,4,6][8,3,0]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,1,5][2,3,4][8,0,6]]$

Generated Nodes :

[[7,1,5][2,0,4][8,3,6]] - Already visited Node!
[[7,1,5][2,3,4][8,6,0]] - $f(n) = 22 + 8 = 30$
[[7,1,5][2,3,4][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,0,1][3,8,5][6,4,2]]

Generated Nodes :

[[7,1,0][3,8,5][6,4,2]] - Already visited Node!
[[0,7,1][3,8,5][6,4,2]] - $f(n) = 22 + 8 = 30$
[[7,8,1][3,0,5][6,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][3,1,8][6,4,2]]

Generated Nodes :

[[7,5,0][3,1,8][6,4,2]] - $f(n) = 22 + 8 = 30$
[[0,7,5][3,1,8][6,4,2]] - $f(n) = 22 + 8 = 30$
[[7,1,5][3,0,8][6,4,2]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,5][0,3,8][6,4,2]]

Generated Nodes :

[[0,1,5][7,3,8][6,4,2]] - $f(n) = 22 + 8 = 30$
[[7,1,5][3,0,8][6,4,2]] - Already visited Node!
[[7,1,5][6,3,8][0,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,1,5][3,4,8][6,0,2]]

Generated Nodes :

[[7,1,5][3,0,8][6,4,2]] - Already visited Node!
[[7,1,5][3,4,8][6,2,0]] - $f(n) = 22 + 8 = 30$
[[7,1,5][3,4,8][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[8,7,1][0,6,5][3,4,2]]

Generated Nodes :

[[0,7,1][8,6,5][3,4,2]] - Already visited Node!
[[8,7,1][6,0,5][3,4,2]] - $f(n) = 22 + 8 = 30$
[[8,7,1][3,6,5][0,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,1][0,8,5][3,4,2]]

Generated Nodes :

[[0,6,1][7,8,5][3,4,2]] - $f(n) = 22 + 8 = 30$

[[7,6,1][8,0,5][3,4,2]] - Already visited Node!
[[7,6,1][3,8,5][0,4,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,6,1][8,4,5][3,0,2]]

Generated Nodes :

[[7,6,1][8,0,5][3,4,2]] - Already visited Node!
[[7,6,1][8,4,5][3,2,0]] - $f(n) = 22 + 8 = 30$
[[7,6,1][8,4,5][0,3,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[6,7,5][0,1,2][8,3,4]]

Generated Nodes :

[[0,7,5][6,1,2][8,3,4]] - Already visited Node!
[[6,7,5][1,0,2][8,3,4]] - $f(n) = 22 + 8 = 30$
[[6,7,5][8,1,2][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,1][6,2,5][8,3,4]]

Generated Nodes :

[[7,1,0][6,2,5][8,3,4]] - Already visited Node!
[[0,7,1][6,2,5][8,3,4]] - $f(n) = 22 + 8 = 30$
[[7,2,1][6,0,5][8,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,1,5][6,2,4][8,0,3]]

Generated Nodes :

[[7,1,5][6,0,4][8,2,3]] - $f(n) = 22 + 8 = 30$
[[7,1,5][6,2,4][8,3,0]] - Already visited Node!
[[7,1,5][6,2,4][0,8,3]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,1,5][6,3,0][8,4,2]]

Generated Nodes :

[[7,1,0][6,3,5][8,4,2]] - $f(n) = 22 + 8 = 30$
[[7,1,5][6,0,3][8,4,2]] - $f(n) = 22 + 8 = 30$
[[7,1,5][6,3,2][8,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[5,0,2][3,8,1][6,7,4]]

Generated Nodes :

[[5,2,0][3,8,1][6,7,4]] - $f(n) = 22 + 7 = 29$
[[0,5,2][3,8,1][6,7,4]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,1][6,7,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,8,2][3,1,0][6,7,4]]

Generated Nodes :

[[5,8,0][3,1,2][6,7,4]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,1][6,7,4]] - Already visited Node!
[[5,8,2][3,1,4][6,7,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,8,2][0,3,1][6,7,4]]

Generated Nodes :

[[0,8,2][5,3,1][6,7,4]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,1][6,7,4]] - Already visited Node!
[[5,8,2][6,3,1][0,7,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,8,2][3,7,0][6,4,1]]

Generated Nodes :

[[5,8,0][3,7,2][6,4,1]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,0,7][6,4,1]] - $f(n) = 22 + 8 = 30$
[[5,8,2][3,7,1][6,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[3,7,5][0,8,2][6,4,1]]

Generated Nodes :

[[0,7,5][3,8,2][6,4,1]] - Already visited Node!
[[3,7,5][8,0,2][6,4,1]] - $f(n) = 22 + 8 = 30$
[[3,7,5][6,8,2][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,5][3,2,0][6,4,1]]

Generated Nodes :

[[7,8,0][3,2,5][6,4,1]] - $f(n) = 22 + 8 = 30$
[[7,8,5][3,0,2][6,4,1]] - Already visited Node!
[[7,8,5][3,2,1][6,4,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,5][0,3,2][6,4,1]]

Generated Nodes :

[[0,8,5][7,3,2][6,4,1]] - $f(n) = 22 + 8 = 30$
[[7,8,5][3,0,2][6,4,1]] - Already visited Node!
[[7,8,5][6,3,2][0,4,1]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,8,5][3,4,2][6,0,1]]

Generated Nodes :

[[7,8,5][3,0,2][6,4,1]] - Already visited Node!

$[[7,8,5][3,4,2][6,1,0]] - f(n) = 22 + 8 = 30$
 $[[7,8,5][3,4,2][0,6,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,0,2][7,3,8][6,4,1]]$

Generated Nodes :

$[[5,2,0][7,3,8][6,4,1]] - f(n) = 22 + 7 = 29$
 $[[0,5,2][7,3,8][6,4,1]] - \text{Already visited Node!}$
 $[[5,3,2][7,0,8][6,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,2][6,3,8][4,0,1]]$

Generated Nodes :

$[[7,5,2][6,0,8][4,3,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][6,3,8][4,1,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][6,3,8][0,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][3,4,0][6,1,8]]$

Generated Nodes :

$[[7,5,0][3,4,2][6,1,8]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][3,0,4][6,1,8]] - \text{Already visited Node!}$
 $[[7,5,2][3,4,8][6,1,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,5,2][0,4,8][3,6,1]]$

Generated Nodes :

$[[0,5,2][7,4,8][3,6,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][4,0,8][3,6,1]] - \text{Already visited Node!}$
 $[[7,5,2][3,4,8][0,6,1]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,0,6][7,1,2][8,3,4]]$

Generated Nodes :

$[[5,6,0][7,1,2][8,3,4]] - \text{Already visited Node!}$
 $[[0,5,6][7,1,2][8,3,4]] - f(n) = 22 + 8 = 30$
 $[[5,1,6][7,0,2][8,3,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,6,2][7,1,4][8,0,3]]$

Generated Nodes :

$[[5,6,2][7,0,4][8,1,3]] - f(n) = 22 + 8 = 30$
 $[[5,6,2][7,1,4][8,3,0]] - \text{Already visited Node!}$
 $[[5,6,2][7,1,4][0,8,3]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[6,0,2][5,7,1][8,3,4]]$

Generated Nodes :

[[6,2,0][5,7,1][8,3,4]] - $f(n) = 22 + 7 = 29$
[[0,6,2][5,7,1][8,3,4]] - Already visited Node!
[[6,7,2][5,0,1][8,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,6,2][8,7,1][3,0,4]]

Generated Nodes :

[[5,6,2][8,0,1][3,7,4]] - $f(n) = 22 + 8 = 30$
[[5,6,2][8,7,1][3,4,0]] - $f(n) = 22 + 8 = 30$
[[5,6,2][8,7,1][0,3,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,6,2][7,3,0][8,4,1]]

Generated Nodes :

[[5,6,0][7,3,2][8,4,1]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,0,3][8,4,1]] - $f(n) = 22 + 8 = 30$
[[5,6,2][7,3,1][8,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[6,7,5][0,1,2][8,3,4]]

Generated Nodes :

[[0,7,5][6,1,2][8,3,4]] - Already visited Node!
[[6,7,5][1,0,2][8,3,4]] - $f(n) = 22 + 8 = 30$
[[6,7,5][8,1,2][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][6,4,0][8,1,3]]

Generated Nodes :

[[7,5,0][6,4,2][8,1,3]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,0,4][8,1,3]] - Already visited Node!
[[7,5,2][6,4,3][8,1,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][0,6,4][8,1,3]]

Generated Nodes :

[[0,5,2][7,6,4][8,1,3]] - $f(n) = 22 + 8 = 30$
[[7,5,2][6,0,4][8,1,3]] - Already visited Node!
[[7,5,2][8,6,4][0,1,3]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,0,5][6,3,2][8,4,1]]

Generated Nodes :

[[7,5,0][6,3,2][8,4,1]] - Already visited Node!

$[[0,7,5][6,3,2][8,4,1]] - f(n) = 22 + 8 = 30$
 $[[7,3,5][6,0,2][8,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,2][0,6,3][8,4,1]]$

Generated Nodes :

$[[0,5,2][7,6,3][8,4,1]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][6,0,3][8,4,1]] - \text{Already visited Node!}$
 $[[7,5,2][8,6,3][0,4,1]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,5,2][6,4,3][8,0,1]]$

Generated Nodes :

$[[7,5,2][6,0,3][8,4,1]] - \text{Already visited Node!}$
 $[[7,5,2][6,4,3][8,1,0]] - f(n) = 22 + 8 = 30$
 $[[7,5,2][6,4,3][0,8,1]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[7,5,1][8,4,2][3,0,6]]$

Generated Nodes :

$[[7,5,1][8,0,2][3,4,6]] - f(n) = 22 + 8 = 30$
 $[[7,5,1][8,4,2][3,6,0]] - \text{Already visited Node!}$
 $[[7,5,1][8,4,2][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[4,0,1][5,7,2][8,3,6]]$

Generated Nodes :

$[[4,1,0][5,7,2][8,3,6]] - f(n) = 22 + 8 = 30$
 $[[0,4,1][5,7,2][8,3,6]] - \text{Already visited Node!}$
 $[[4,7,1][5,0,2][8,3,6]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,4,1][8,7,2][3,0,6]]$

Generated Nodes :

$[[5,4,1][8,0,2][3,7,6]] - f(n) = 22 + 8 = 30$
 $[[5,4,1][8,7,2][3,6,0]] - f(n) = 22 + 8 = 30$
 $[[5,4,1][8,7,2][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[5,4,1][7,3,0][8,6,2]]$

Generated Nodes :

$[[5,4,0][7,3,1][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[5,4,1][7,0,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[5,4,1][7,3,2][8,6,0]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[8,5,2][0,1,4][3,7,6]]$

Generated Nodes :

[[0,5,2][8,1,4][3,7,6]] - Already visited Node!
[[8,5,2][1,0,4][3,7,6]] - $f(n) = 22 + 8 = 30$
[[8,5,2][3,1,4][0,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,1][8,4,2][3,7,6]]

Generated Nodes :

[[5,1,0][8,4,2][3,7,6]] - Already visited Node!
[[0,5,1][8,4,2][3,7,6]] - $f(n) = 22 + 8 = 30$
[[5,4,1][8,0,2][3,7,6]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,1][8,7,2][3,6,4]]

Generated Nodes :

[[5,1,0][8,7,2][3,6,4]] - Already visited Node!
[[0,5,1][8,7,2][3,6,4]] - $f(n) = 22 + 8 = 30$
[[5,7,1][8,0,2][3,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,0,2][8,1,7][3,6,4]]

Generated Nodes :

[[5,2,0][8,1,7][3,6,4]] - $f(n) = 22 + 7 = 29$
[[0,5,2][8,1,7][3,6,4]] - $f(n) = 22 + 8 = 30$
[[5,1,2][8,0,7][3,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[5,1,2][0,8,7][3,6,4]]

Generated Nodes :

[[0,1,2][5,8,7][3,6,4]] - $f(n) = 22 + 8 = 30$
[[5,1,2][8,0,7][3,6,4]] - Already visited Node!
[[5,1,2][3,8,7][0,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[5,1,2][8,6,7][3,0,4]]

Generated Nodes :

[[5,1,2][8,0,7][3,6,4]] - Already visited Node!
[[5,1,2][8,6,7][3,4,0]] - $f(n) = 22 + 8 = 30$
[[5,1,2][8,6,7][0,3,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,1][0,3,2][8,6,4]]

Generated Nodes :

[[0,5,1][7,3,2][8,6,4]] - Already visited Node!

$[[7,5,1][3,0,2][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[7,5,1][8,3,2][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,3,1][7,2,0][8,6,4]]$

Generated Nodes :

$[[5,3,0][7,2,1][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[5,3,1][7,0,2][8,6,4]] - \text{Already visited Node!}$
 $[[5,3,1][7,2,4][8,6,0]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,3,1][0,7,2][8,6,4]]$

Generated Nodes :

$[[0,3,1][5,7,2][8,6,4]] - f(n) = 22 + 8 = 30$
 $[[5,3,1][7,0,2][8,6,4]] - \text{Already visited Node!}$
 $[[5,3,1][8,7,2][0,6,4]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[5,3,1][7,6,2][8,0,4]]$

Generated Nodes :

$[[5,3,1][7,0,2][8,6,4]] - \text{Already visited Node!}$
 $[[5,3,1][7,6,2][8,4,0]] - f(n) = 22 + 8 = 30$
 $[[5,3,1][7,6,2][0,8,4]] - f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - $[[5,1,2][8,7,3][6,0,4]]$

Generated Nodes :

$[[5,1,2][8,0,3][6,7,4]] - f(n) = 22 + 8 = 30$
 $[[5,1,2][8,7,3][6,4,0]] - f(n) = 22 + 8 = 30$
 $[[5,1,2][8,7,3][0,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,0,4][1,3,5][8,6,2]]$

Generated Nodes :

$[[7,4,0][1,3,5][8,6,2]] - \text{Already visited Node!}$
 $[[0,7,4][1,3,5][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,3,4][1,0,5][8,6,2]] - f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - $[[7,0,5][1,4,3][8,6,2]]$

Generated Nodes :

$[[7,5,0][1,4,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[0,7,5][1,4,3][8,6,2]] - f(n) = 22 + 8 = 30$
 $[[7,4,5][1,0,3][8,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 22 - $[[7,4,5][0,1,3][8,6,2]]$

Generated Nodes :

[[0,4,5][7,1,3][8,6,2]] - $f(n) = 22 + 8 = 30$
[[7,4,5][1,0,3][8,6,2]] - Already visited Node!
[[7,4,5][8,1,3][0,6,2]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,4,5][1,6,3][8,0,2]]

Generated Nodes :

[[7,4,5][1,0,3][8,6,2]] - Already visited Node!
[[7,4,5][1,6,3][8,2,0]] - $f(n) = 22 + 8 = 30$
[[7,4,5][1,6,3][0,8,2]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[7,3,5][1,2,4][8,0,6]]

Generated Nodes :

[[7,3,5][1,0,4][8,2,6]] - $f(n) = 22 + 8 = 30$
[[7,3,5][1,2,4][8,6,0]] - Already visited Node!
[[7,3,5][1,2,4][0,8,6]] - $f(n) = 22 + 7 = 29$

Node Chosen for Level 22 - [[3,0,5][7,1,2][8,6,4]]

Generated Nodes :

[[3,5,0][7,1,2][8,6,4]] - $f(n) = 22 + 8 = 30$
[[0,3,5][7,1,2][8,6,4]] - Already visited Node!
[[3,1,5][7,0,2][8,6,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,3,5][8,1,2][6,0,4]]

Generated Nodes :

[[7,3,5][8,0,2][6,1,4]] - $f(n) = 22 + 8 = 30$
[[7,3,5][8,1,2][6,4,0]] - $f(n) = 22 + 8 = 30$
[[7,3,5][8,1,2][0,6,4]] - Already visited Node!

Node Chosen for Level 22 - [[7,3,5][1,6,0][8,4,2]]

Generated Nodes :

[[7,3,0][1,6,5][8,4,2]] - $f(n) = 22 + 8 = 30$
[[7,3,5][1,0,6][8,4,2]] - $f(n) = 22 + 7 = 29$
[[7,3,5][1,6,2][8,4,0]] - Already visited Node!

Node Chosen for Level 22 - [[7,5,2][8,3,0][6,1,4]]

Generated Nodes :

[[7,5,0][8,3,2][6,1,4]] - $f(n) = 22 + 8 = 30$

[[7,5,2][8,0,3][6,1,4]] - Already visited Node!
[[7,5,2][8,3,4][6,1,0]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][0,8,3][6,1,4]]

Generated Nodes :

[[0,5,2][7,8,3][6,1,4]] - $f(n) = 22 + 8 = 30$
[[7,5,2][8,0,3][6,1,4]] - Already visited Node!
[[7,5,2][6,8,3][0,1,4]] - $f(n) = 22 + 8 = 30$

Node Chosen for Level 22 - [[7,5,2][8,1,0][6,4,3]]

Generated Nodes :

[[7,5,0][8,1,2][6,4,3]] - $f(n) = 22 + 8 = 30$
[[7,5,2][8,0,1][6,4,3]] - $f(n) = 22 + 8 = 30$
[[7,5,2][8,1,3][6,4,0]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][3,8,6][4,7,1]]

Generated Nodes :

[[5,0,2][3,8,6][4,7,1]] - Already visited Node!
[[3,5,2][0,8,6][4,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,8,2][5,3,6][4,7,1]]

Generated Nodes :

[[8,0,2][5,3,6][4,7,1]] - $f(n) = 23 + 7 = 30$
[[5,8,2][0,3,6][4,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][8,4,6][3,7,1]]

Generated Nodes :

[[5,0,2][8,4,6][3,7,1]] - Already visited Node!
[[8,5,2][0,4,6][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,4,2][5,8,6][3,7,1]]

Generated Nodes :

[[4,0,2][5,8,6][3,7,1]] - $f(n) = 23 + 7 = 30$
[[5,4,2][0,8,6][3,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,2][3,8,6][0,7,1]]

Generated Nodes :

[[5,4,2][0,8,6][3,7,1]] - Already visited Node!

[[5,4,2][3,8,6][7,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][5,3,7][1,6,8]]

Generated Nodes :

[[2,0,4][5,3,7][1,6,8]] - $f(n) = 23 + 8 = 31$
[[5,2,4][0,3,7][1,6,8]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][1,3,7][0,6,8]]

Generated Nodes :

[[5,2,4][0,3,7][1,6,8]] - Already visited Node!
[[5,2,4][1,3,7][6,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,4][3,6,7][0,1,8]]

Generated Nodes :

[[5,2,4][0,6,7][3,1,8]] - $f(n) = 23 + 7 = 30$
[[5,2,4][3,6,7][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,4][3,0,1][6,7,8]]

Generated Nodes :

[[5,0,4][3,2,1][6,7,8]] - $f(n) = 23 + 8 = 31$
[[5,2,4][3,1,0][6,7,8]] - $f(n) = 23 + 7 = 30$
[[5,2,4][0,3,1][6,7,8]] - $f(n) = 23 + 7 = 30$
[[5,2,4][3,7,1][6,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,0,3][1,8,6]]

Generated Nodes :

[[4,0,2][7,5,3][1,8,6]] - $f(n) = 23 + 6 = 29$
[[4,5,2][7,3,0][1,8,6]] - Already visited Node!
[[4,5,2][0,7,3][1,8,6]] - $f(n) = 23 + 7 = 30$
[[4,5,2][7,8,3][1,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[4,3,0][7,2,5][1,8,6]]

Generated Nodes :

[[4,0,3][7,2,5][1,8,6]] - $f(n) = 23 + 6 = 29$
[[4,3,5][7,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,3,5][1,7,2][0,8,6]]

Generated Nodes :

[[4,3,5][0,7,2][1,8,6]] - Already visited Node!
[[4,3,5][1,7,2][8,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,8,7][3,5,2][6,4,1]]

Generated Nodes :

[[8,0,7][3,5,2][6,4,1]] - Already visited Node!
[[3,8,7][0,5,2][6,4,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,5,0][4,1,2][3,6,7]]

Generated Nodes :

[[8,0,5][4,1,2][3,6,7]] - $f(n) = 23 + 7 = 30$
[[8,5,2][4,1,0][3,6,7]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][4,0,1][3,6,7]]

Generated Nodes :

[[8,0,2][4,5,1][3,6,7]] - $f(n) = 23 + 6 = 29$
[[8,5,2][4,1,0][3,6,7]] - Already visited Node!
[[8,5,2][0,4,1][3,6,7]] - $f(n) = 23 + 8 = 31$
[[8,5,2][4,6,1][3,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,1,7][4,6,5][3,2,0]]

Generated Nodes :

[[8,1,7][4,6,0][3,2,5]] - $f(n) = 23 + 7 = 30$
[[8,1,7][4,6,5][3,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[8,1,7][4,6,5][0,3,2]]

Generated Nodes :

[[8,1,7][0,6,5][4,3,2]] - $f(n) = 23 + 8 = 31$
[[8,1,7][4,6,5][3,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,1][4,0,7][3,6,2]]

Generated Nodes :

[[8,0,1][4,5,7][3,6,2]] - $f(n) = 23 + 6 = 29$
[[8,5,1][4,7,0][3,6,2]] - Already visited Node!
[[8,5,1][0,4,7][3,6,2]] - $f(n) = 23 + 8 = 31$
[[8,5,1][4,6,7][3,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,5,1][4,7,2][3,6,0]]

Generated Nodes :

[[8,5,1][4,7,0][3,6,2]] - Already visited Node!
[[8,5,1][4,7,2][3,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,5][3,0,6][2,4,1]]

Generated Nodes :

[[8,0,5][3,7,6][2,4,1]] - $f(n) = 23 + 7 = 30$
[[8,7,5][3,6,0][2,4,1]] - $f(n) = 23 + 8 = 31$
[[8,7,5][0,3,6][2,4,1]] - $f(n) = 23 + 7 = 30$
[[8,7,5][3,4,6][2,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,7,5][3,4,6][2,1,0]]

Generated Nodes :

[[8,7,5][3,4,0][2,1,6]] - $f(n) = 23 + 8 = 31$
[[8,7,5][3,4,6][2,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[4,8,5][3,7,6][0,2,1]]

Generated Nodes :

[[4,8,5][0,7,6][3,2,1]] - Already visited Node!
[[4,8,5][3,7,6][2,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,7,5][8,4,6][0,3,1]]

Generated Nodes :

[[2,7,5][0,4,6][8,3,1]] - Already visited Node!
[[2,7,5][8,4,6][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,2][3,8,6][4,7,1]]

Generated Nodes :

[[5,0,2][3,8,6][4,7,1]] - Already visited Node!
[[3,5,2][0,8,6][4,7,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,8,2][5,3,6][4,7,1]]

Generated Nodes :

[[8,0,2][5,3,6][4,7,1]] - $f(n) = 23 + 7 = 30$
[[5,8,2][0,3,6][4,7,1]] - Already visited Node!

Node Chosen for Level 23 - [[0,2,4][5,8,1][3,7,6]]

Generated Nodes :

$[[2,0,4] [5,8,1] [3,7,6]] - f(n) = 23 + 8 = 31$
 $[[5,2,4] [0,8,1] [3,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4] [3,8,1] [0,7,6]]$

Generated Nodes :

$[[5,2,4] [0,8,1] [3,7,6]] - \text{Already visited Node!}$
 $[[5,2,4] [3,8,1] [7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,0] [8,7,4] [3,6,1]]$

Generated Nodes :

$[[5,0,2] [8,7,4] [3,6,1]] - f(n) = 23 + 8 = 31$
 $[[5,2,4] [8,7,0] [3,6,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4] [8,0,7] [3,6,1]]$

Generated Nodes :

$[[5,0,4] [8,2,7] [3,6,1]] - f(n) = 23 + 8 = 31$
 $[[5,2,4] [8,7,0] [3,6,1]] - \text{Already visited Node!}$
 $[[5,2,4] [0,8,7] [3,6,1]] - f(n) = 23 + 7 = 30$
 $[[5,2,4] [8,6,7] [3,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,2,4] [5,7,3] [8,6,1]]$

Generated Nodes :

$[[2,0,4] [5,7,3] [8,6,1]] - f(n) = 23 + 8 = 31$
 $[[5,2,4] [0,7,3] [8,6,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,2,4] [8,7,3] [0,6,1]]$

Generated Nodes :

$[[5,2,4] [0,7,3] [8,6,1]] - \text{Already visited Node!}$
 $[[5,2,4] [8,7,3] [6,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,2] [7,8,6] [4,1,3]]$

Generated Nodes :

$[[5,0,2] [7,8,6] [4,1,3]] - f(n) = 23 + 7 = 30$
 $[[7,5,2] [0,8,6] [4,1,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,8,1] [5,4,2] [7,3,6]]$

Generated Nodes :

$[[8,0,1] [5,4,2] [7,3,6]] - \text{Already visited Node!}$

$[[5,8,1][0,4,2][7,3,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,4,1][5,0,2][7,3,6]]$

Generated Nodes :

$[[8,0,1][5,4,2][7,3,6]] - \text{Already visited Node!}$

$[[8,4,1][5,2,0][7,3,6]] - f(n) = 23 + 7 = 30$

$[[8,4,1][0,5,2][7,3,6]] - f(n) = 23 + 6 = 29$

$[[8,4,1][5,3,2][7,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,1,0][5,3,2][7,6,4]]$

Generated Nodes :

$[[8,0,1][5,3,2][7,6,4]] - f(n) = 23 + 7 = 30$

$[[8,1,2][5,3,0][7,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,1,2][5,0,3][7,6,4]]$

Generated Nodes :

$[[8,0,2][5,1,3][7,6,4]] - f(n) = 23 + 7 = 30$

$[[8,1,2][5,3,0][7,6,4]] - \text{Already visited Node!}$

$[[8,1,2][0,5,3][7,6,4]] - f(n) = 23 + 6 = 29$

$[[8,1,2][5,6,3][7,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,4,8][1,3,2][7,6,0]]$

Generated Nodes :

$[[5,4,8][1,3,0][7,6,2]] - f(n) = 23 + 7 = 30$

$[[5,4,8][1,3,2][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,5,8][1,3,2][7,6,4]]$

Generated Nodes :

$[[5,0,8][1,3,2][7,6,4]] - \text{Already visited Node!}$

$[[1,5,8][0,3,2][7,6,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[5,3,8][1,0,2][7,6,4]]$

Generated Nodes :

$[[5,0,8][1,3,2][7,6,4]] - \text{Already visited Node!}$

$[[5,3,8][1,2,0][7,6,4]] - f(n) = 23 + 7 = 30$

$[[5,3,8][0,1,2][7,6,4]] - f(n) = 23 + 7 = 30$

$[[5,3,8][1,6,2][7,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,2][1,8,3][7,6,4]]$

Generated Nodes :

[[5,0,2][1,8,3][7,6,4]] - Already visited Node!
[[1,5,2][0,8,3][7,6,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,8,2][5,1,3][7,6,4]]

Generated Nodes :

[[8,0,2][5,1,3][7,6,4]] - $f(n) = 23 + 7 = 30$
[[5,8,2][0,1,3][7,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][1,6,3][7,4,0]]

Generated Nodes :

[[5,8,2][1,6,0][7,4,3]] - Already visited Node!
[[5,8,2][1,6,3][7,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,0][1,5,2][6,4,8]]

Generated Nodes :

[[3,0,7][1,5,2][6,4,8]] - $f(n) = 23 + 7 = 30$
[[3,7,2][1,5,0][6,4,8]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][0,8,6][1,7,3]]

Generated Nodes :

[[0,2,4][5,8,6][1,7,3]] - $f(n) = 24 + 6 = 30$
[[5,2,4][8,0,6][1,7,3]] - Already visited Node!
[[5,2,4][1,8,6][0,7,3]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,2][5,7,6][1,8,3]]

Generated Nodes :

[[4,2,0][5,7,6][1,8,3]] - $f(n) = 24 + 5 = 29$
[[0,4,2][5,7,6][1,8,3]] - Already visited Node!
[[4,7,2][5,0,6][1,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,0,3][1,8,6]]

Generated Nodes :

[[4,0,2][7,5,3][1,8,6]] - $f(n) = 23 + 6 = 29$
[[4,5,2][7,3,0][1,8,6]] - Already visited Node!
[[4,5,2][0,7,3][1,8,6]] - $f(n) = 23 + 7 = 30$
[[4,5,2][7,8,3][1,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[4,3,0][7,2,5][1,8,6]]

Generated Nodes :

[[4,0,3][7,2,5][1,8,6]] - $f(n) = 23 + 6 = 29$
[[4,3,5][7,2,0][1,8,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,3,5][1,7,2][0,8,6]]

Generated Nodes :

[[4,3,5][0,7,2][1,8,6]] - Already visited Node!
[[4,3,5][1,7,2][8,0,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[8,2,0][5,1,4][3,6,7]]

Generated Nodes :

[[8,0,2][5,1,4][3,6,7]] - $f(n) = 23 + 8 = 31$
[[8,2,4][5,1,0][3,6,7]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][5,0,1][3,6,7]]

Generated Nodes :

[[8,0,4][5,2,1][3,6,7]] - $f(n) = 23 + 8 = 31$
[[8,2,4][5,1,0][3,6,7]] - Already visited Node!
[[8,2,4][0,5,1][3,6,7]] - $f(n) = 23 + 6 = 29$
[[8,2,4][5,6,1][3,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,2,4][8,1,7][5,3,6]]

Generated Nodes :

[[2,0,4][8,1,7][5,3,6]] - $f(n) = 23 + 8 = 31$
[[8,2,4][0,1,7][5,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,4][1,0,7][5,3,6]]

Generated Nodes :

[[8,0,4][1,2,7][5,3,6]] - $f(n) = 23 + 8 = 31$
[[8,2,4][1,7,0][5,3,6]] - $f(n) = 23 + 7 = 30$
[[8,2,4][0,1,7][5,3,6]] - Already visited Node!
[[8,2,4][1,3,7][5,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,1][3,0,8][6,7,4]]

Generated Nodes :

[[5,0,1][3,2,8][6,7,4]] - $f(n) = 23 + 8 = 31$
[[5,2,1][3,8,0][6,7,4]] - $f(n) = 23 + 7 = 30$
[[5,2,1][0,3,8][6,7,4]] - $f(n) = 23 + 7 = 30$

[[5,2,1][3,7,8][6,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,1][3,7,8][6,4,0]]

Generated Nodes :

[[5,2,1][3,7,0][6,4,8]] - $f(n) = 23 + 7 = 30$

[[5,2,1][3,7,8][6,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,0][7,6,1][3,4,8]]

Generated Nodes :

[[5,0,2][7,6,1][3,4,8]] - $f(n) = 23 + 8 = 31$

[[5,2,1][7,6,0][3,4,8]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][6,1,2][0,8,4]]

Generated Nodes :

[[3,7,5][0,1,2][6,8,4]] - Already visited Node!

[[3,7,5][6,1,2][8,0,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[5,3,0][7,1,2][6,8,4]]

Generated Nodes :

[[5,0,3][7,1,2][6,8,4]] - $f(n) = 23 + 6 = 29$

[[5,3,2][7,1,0][6,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][7,1,4][6,8,0]]

Generated Nodes :

[[5,3,2][7,1,0][6,8,4]] - Already visited Node!

[[5,3,2][7,1,4][6,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,3,2][5,7,1][6,8,4]]

Generated Nodes :

[[3,0,2][5,7,1][6,8,4]] - Already visited Node!

[[5,3,2][0,7,1][6,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][6,7,1][0,8,4]]

Generated Nodes :

[[5,3,2][0,7,1][6,8,4]] - Already visited Node!

[[5,3,2][6,7,1][8,0,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[5,1,2][8,0,6][4,7,3]]

Generated Nodes :

$[5,0,2][8,1,6][4,7,3] - f(n) = 23 + 7 = 30$
 $[5,1,2][8,6,0][4,7,3] - f(n) = 23 + 8 = 31$
 $[5,1,2][0,8,6][4,7,3] - f(n) = 23 + 7 = 30$
 $[5,1,2][8,7,6][4,0,3] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[5,1,2][8,7,6][4,3,0]$

Generated Nodes :

$[5,1,2][8,7,0][4,3,6] - f(n) = 23 + 8 = 31$
 $[5,1,2][8,7,6][4,0,3] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[5,2,4][0,1,3][7,6,8]$

Generated Nodes :

$[0,2,4][5,1,3][7,6,8] - f(n) = 24 + 6 = 30$
 $[5,2,4][1,0,3][7,6,8] - \text{Already visited Node!}$
 $[5,2,4][7,1,3][0,6,8] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[5,2,4][1,6,3][7,0,8]$

Generated Nodes :

$[5,2,4][1,0,3][7,6,8] - \text{Already visited Node!}$
 $[5,2,4][1,6,3][7,8,0] - \text{Already visited Node!}$
 $[5,2,4][1,6,3][0,7,8] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[3,5,2][1,4,0][7,8,6]$

Generated Nodes :

$[3,5,0][1,4,2][7,8,6] - f(n) = 24 + 6 = 30$
 $[3,5,2][1,0,4][7,8,6] - \text{Already visited Node!}$
 $[3,5,2][1,4,6][7,8,0] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[3,5,1][0,4,2][7,8,6]$

Generated Nodes :

$[0,5,1][3,4,2][7,8,6] - \text{Already visited Node!}$
 $[3,5,1][4,0,2][7,8,6] - f(n) = 24 + 5 = 29$
 $[3,5,1][7,4,2][0,8,6] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[5,4,1][3,2,0][7,8,6]$

Generated Nodes :

$[5,4,0][3,2,1][7,8,6] - \text{Already visited Node!}$

[[5,4,1][3,0,2][7,8,6]] - Already visited Node!
[[5,4,1][3,2,6][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,2,4][5,3,0][8,6,7]]

Generated Nodes :

[[1,2,0][5,3,4][8,6,7]] - $f(n) = 24 + 6 = 30$
[[1,2,4][5,0,3][8,6,7]] - $f(n) = 24 + 6 = 30$
[[1,2,4][5,3,7][8,6,0]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,7][3,4,2][5,8,6]]

Generated Nodes :

[[1,7,0][3,4,2][5,8,6]] - Already visited Node!
[[0,1,7][3,4,2][5,8,6]] - $f(n) = 24 + 7 = 31$
[[1,4,7][3,0,2][5,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[8,7,0][3,5,2][1,6,4]]

Generated Nodes :

[[8,0,7][3,5,2][1,6,4]] - $f(n) = 23 + 7 = 30$
[[8,7,2][3,5,0][1,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,5,2][3,7,8][0,6,4]]

Generated Nodes :

[[1,5,2][0,7,8][3,6,4]] - Already visited Node!
[[1,5,2][3,7,8][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,5,2][7,6,8][3,4,0]]

Generated Nodes :

[[1,5,2][7,6,0][3,4,8]] - $f(n) = 23 + 7 = 30$
[[1,5,2][7,6,8][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,5,2][7,6,8][0,3,4]]

Generated Nodes :

[[1,5,2][0,6,8][7,3,4]] - $f(n) = 23 + 6 = 29$
[[1,5,2][7,6,8][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,8,5][7,0,4][3,2,6]]

Generated Nodes :

[[1,0,5][7,8,4][3,2,6]] - Already visited Node!

$[[1,8,5][7,4,0][3,2,6]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][0,7,4][3,2,6]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][7,2,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,8,5][7,2,4][0,3,6]]$

Generated Nodes :

$[[1,8,5][0,2,4][7,3,6]] - f(n) = 23 + 6 = 29$
 $[[1,8,5][7,2,4][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,8,5][3,0,2][6,7,4]]$

Generated Nodes :

$[[1,0,5][3,8,2][6,7,4]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][3,2,0][6,7,4]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][0,3,2][6,7,4]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][3,7,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,8,5][3,7,2][6,4,0]]$

Generated Nodes :

$[[1,8,5][3,7,0][6,4,2]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][3,7,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,8,0][7,6,5][3,4,2]]$

Generated Nodes :

$[[1,0,8][7,6,5][3,4,2]] - f(n) = 23 + 7 = 30$
 $[[1,8,5][7,6,0][3,4,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[6,7,2][8,5,1][3,4,0]]$

Generated Nodes :

$[[6,7,2][8,5,0][3,4,1]] - f(n) = 23 + 7 = 30$
 $[[6,7,2][8,5,1][3,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,5,0][8,7,2][3,4,6]]$

Generated Nodes :

$[[1,0,5][8,7,2][3,4,6]] - \text{Already visited Node!}$
 $[[1,5,2][8,7,0][3,4,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,7,0][8,2,5][3,4,6]]$

Generated Nodes :

[[1,0,7][8,2,5][3,4,6]] - $f(n) = 23 + 7 = 30$
[[1,7,5][8,2,0][3,4,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,5][3,8,2][0,4,6]]

Generated Nodes :

[[1,7,5][0,8,2][3,4,6]] - Already visited Node!
[[1,7,5][3,8,2][4,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,7,0][8,4,5][3,6,2]]

Generated Nodes :

[[1,0,7][8,4,5][3,6,2]] - $f(n) = 23 + 7 = 30$
[[1,7,5][8,4,0][3,6,2]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,5][8,0,4][3,6,2]]

Generated Nodes :

[[1,0,5][8,7,4][3,6,2]] - $f(n) = 23 + 7 = 30$
[[1,7,5][8,4,0][3,6,2]] - Already visited Node!
[[1,7,5][0,8,4][3,6,2]] - $f(n) = 23 + 7 = 30$
[[1,7,5][8,6,4][3,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[8,2,7][4,6,1][3,0,5]]

Generated Nodes :

[[8,2,7][4,0,1][3,6,5]] - Already visited Node!
[[8,2,7][4,6,1][3,5,0]] - $f(n) = 24 + 6 = 30$
[[8,2,7][4,6,1][0,3,5]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[8,2,4][5,3,0][7,6,1]]

Generated Nodes :

[[8,2,0][5,3,4][7,6,1]] - $f(n) = 24 + 6 = 30$
[[8,2,4][5,0,3][7,6,1]] - $f(n) = 24 + 6 = 30$
[[8,2,4][5,3,1][7,6,0]] - Already visited Node!

Node Chosen for Level 24 - [[8,0,2][5,1,6][7,4,3]]

Generated Nodes :

[[8,2,0][5,1,6][7,4,3]] - $f(n) = 24 + 5 = 29$
[[0,8,2][5,1,6][7,4,3]] - Already visited Node!
[[8,1,2][5,0,6][7,4,3]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,4][7,3,6][5,0,1]]

Generated Nodes :

[[8,2,4][7,0,6][5,3,1]] - Already visited Node!
[[8,2,4][7,3,6][5,1,0]] - $f(n) = 24 + 6 = 30$
[[8,2,4][7,3,6][0,5,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,5,2][4,3,7][8,0,6]]

Generated Nodes :

[[1,5,2][4,0,7][8,3,6]] - Already visited Node!
[[1,5,2][4,3,7][8,6,0]] - $f(n) = 24 + 6 = 30$
[[1,5,2][4,3,7][0,8,6]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,0,7][4,3,5][8,6,2]]

Generated Nodes :

[[1,7,0][4,3,5][8,6,2]] - Already visited Node!
[[0,1,7][4,3,5][8,6,2]] - $f(n) = 24 + 7 = 31$
[[1,3,7][4,0,5][8,6,2]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,5][4,7,3][8,6,2]]

Generated Nodes :

[[1,5,0][4,7,3][8,6,2]] - $f(n) = 24 + 6 = 30$
[[0,1,5][4,7,3][8,6,2]] - $f(n) = 24 + 7 = 31$
[[1,7,5][4,0,3][8,6,2]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,5][4,6,3][8,0,2]]

Generated Nodes :

[[1,7,5][4,0,3][8,6,2]] - Already visited Node!
[[1,7,5][4,6,3][8,2,0]] - $f(n) = 24 + 6 = 30$
[[1,7,5][4,6,3][0,8,2]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[8,2,1][5,6,7][3,4,0]]

Generated Nodes :

[[8,2,1][5,6,0][3,4,7]] - $f(n) = 23 + 7 = 30$
[[8,2,1][5,6,7][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,1][5,6,7][0,3,4]]

Generated Nodes :

[[8,2,1][0,6,7][5,3,4]] - $f(n) = 23 + 7 = 30$
[[8,2,1][5,6,7][3,0,4]] - Already visited Node!

Node Chosen for Level 23 – [[8,2,1][5,0,4][3,7,6]]

Generated Nodes :

[[8,0,1][5,2,4][3,7,6]] – $f(n) = 23 + 8 = 31$
[[8,2,1][5,4,0][3,7,6]] – $f(n) = 23 + 7 = 30$
[[8,2,1][0,5,4][3,7,6]] – $f(n) = 23 + 6 = 29$
[[8,2,1][5,7,4][3,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[8,2,1][5,7,4][0,3,6]]

Generated Nodes :

[[8,2,1][0,7,4][5,3,6]] – $f(n) = 23 + 7 = 30$
[[8,2,1][5,7,4][3,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[5,8,0][7,4,6][3,2,1]]

Generated Nodes :

[[5,0,8][7,4,6][3,2,1]] – Already visited Node!
[[5,8,6][7,4,0][3,2,1]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,5,8][7,4,6][3,2,1]]

Generated Nodes :

[[5,0,8][7,4,6][3,2,1]] – Already visited Node!
[[7,5,8][0,4,6][3,2,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,4,8][5,7,6][3,2,1]]

Generated Nodes :

[[4,0,8][5,7,6][3,2,1]] – $f(n) = 23 + 7 = 30$
[[5,4,8][0,7,6][3,2,1]] – Already visited Node!

Node Chosen for Level 23 – [[5,4,8][3,7,6][0,2,1]]

Generated Nodes :

[[5,4,8][0,7,6][3,2,1]] – Already visited Node!
[[5,4,8][3,7,6][2,0,1]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,5,0][3,7,6][1,2,4]]

Generated Nodes :

[[8,0,5][3,7,6][1,2,4]] – Already visited Node!
[[8,5,6][3,7,0][1,2,4]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,8,5][3,7,6][1,2,4]]

Generated Nodes :

[[8,0,5][3,7,6][1,2,4]] - Already visited Node!
[[3,8,5][0,7,6][1,2,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,5][8,3,6][1,2,4]]

Generated Nodes :

[[7,0,5][8,3,6][1,2,4]] - $f(n) = 23 + 7 = 30$
[[8,7,5][0,3,6][1,2,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,7,5][1,3,6][0,2,4]]

Generated Nodes :

[[8,7,5][0,3,6][1,2,4]] - Already visited Node!
[[8,7,5][1,3,6][2,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,5][8,2,6][3,1,4]]

Generated Nodes :

[[7,0,5][8,2,6][3,1,4]] - $f(n) = 23 + 7 = 30$
[[8,7,5][0,2,6][3,1,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,7,5][2,0,6][3,1,4]]

Generated Nodes :

[[8,0,5][2,7,6][3,1,4]] - $f(n) = 23 + 7 = 30$
[[8,7,5][2,6,0][3,1,4]] - $f(n) = 23 + 8 = 31$
[[8,7,5][0,2,6][3,1,4]] - Already visited Node!
[[8,7,5][2,1,6][3,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,8,5][3,7,6][0,2,1]]

Generated Nodes :

[[4,8,5][0,7,6][3,2,1]] - Already visited Node!
[[4,8,5][3,7,6][2,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,0][1,4,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] - Already visited Node!
[[7,5,6][1,4,0][8,2,3]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,7,5][1,4,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] - Already visited Node!
[[1,7,5][0,4,6][8,2,3]] - Already visited Node!

Node Chosen for Level 23 - [[0,4,5][7,1,6][8,2,3]]

Generated Nodes :

[[4,0,5][7,1,6][8,2,3]] - $f(n) = 23 + 7 = 30$
[[7,4,5][0,1,6][8,2,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,4,5][8,1,6][0,2,3]]

Generated Nodes :

[[7,4,5][0,1,6][8,2,3]] - Already visited Node!
[[7,4,5][8,1,6][2,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,5][4,2,8][3,1,6]]

Generated Nodes :

[[7,0,5][4,2,8][3,1,6]] - Already visited Node!
[[4,7,5][0,2,8][3,1,6]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[7,5,0][4,1,8][3,6,2]]

Generated Nodes :

[[7,0,5][4,1,8][3,6,2]] - $f(n) = 23 + 7 = 30$
[[7,5,8][4,1,0][3,6,2]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,8][4,0,1][3,6,2]]

Generated Nodes :

[[7,0,8][4,5,1][3,6,2]] - $f(n) = 23 + 6 = 29$
[[7,5,8][4,1,0][3,6,2]] - Already visited Node!
[[7,5,8][0,4,1][3,6,2]] - $f(n) = 23 + 8 = 31$
[[7,5,8][4,6,1][3,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,0][7,4,6][3,2,1]]

Generated Nodes :

[[5,0,8][7,4,6][3,2,1]] - Already visited Node!
[[5,8,6][7,4,0][3,2,1]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,5,8][7,4,6][3,2,1]]

Generated Nodes :

```

-----
[[5,0,8][7,4,6][3,2,1]] - Already visited Node!
[[7,5,8][0,4,6][3,2,1]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[0,4,8][5,7,6][3,2,1]]

Generated Nodes :
-----
[[4,0,8][5,7,6][3,2,1]] - f(n) = 23 + 7 = 30
[[5,4,8][0,7,6][3,2,1]] - Already visited Node!
-----
Node Chosen for Level 23 - [[5,4,8][3,7,6][0,2,1]]

Generated Nodes :
-----
[[5,4,8][0,7,6][3,2,1]] - Already visited Node!
[[5,4,8][3,7,6][2,0,1]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[0,5,2][3,8,6][1,4,7]]

Generated Nodes :
-----
[[5,0,2][3,8,6][1,4,7]] - Already visited Node!
[[3,5,2][0,8,6][1,4,7]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[0,8,2][5,3,6][1,4,7]]

Generated Nodes :
-----
[[8,0,2][5,3,6][1,4,7]] - f(n) = 23 + 7 = 30
[[5,8,2][0,3,6][1,4,7]] - Already visited Node!
-----
Node Chosen for Level 23 - [[5,8,2][1,3,6][0,4,7]]

Generated Nodes :
-----
[[5,8,2][0,3,6][1,4,7]] - Already visited Node!
[[5,8,2][1,3,6][4,0,7]] - f(n) = 23 + 7 = 30
-----
Node Chosen for Level 23 - [[0,8,2][5,4,6][3,1,7]]

Generated Nodes :
-----
[[8,0,2][5,4,6][3,1,7]] - f(n) = 23 + 7 = 30
[[5,8,2][0,4,6][3,1,7]] - Already visited Node!
-----
Node Chosen for Level 23 - [[0,2,8][5,7,3][1,6,4]]

Generated Nodes :
-----
[[2,0,8][5,7,3][1,6,4]] - f(n) = 23 + 8 = 31
[[5,2,8][0,7,3][1,6,4]] - Already visited Node!

```

Node Chosen for Level 23 - $[[5,2,8][1,7,3][0,6,4]]$

Generated Nodes :

$[[5,2,8][0,7,3][1,6,4]]$ - Already visited Node!
 $[[5,2,8][1,7,3][6,0,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,8][7,6,3][1,4,0]]$

Generated Nodes :

$[[5,2,8][7,6,0][1,4,3]]$ - $f(n) = 23 + 7 = 30$
 $[[5,2,8][7,6,3][1,0,4]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,8][7,6,3][0,1,4]]$

Generated Nodes :

$[[5,2,8][0,6,3][7,1,4]]$ - $f(n) = 23 + 6 = 29$
 $[[5,2,8][7,6,3][1,0,4]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,8][7,0,4][1,3,6]]$

Generated Nodes :

$[[5,0,8][7,2,4][1,3,6]]$ - $f(n) = 23 + 8 = 31$
 $[[5,2,8][7,4,0][1,3,6]]$ - $f(n) = 23 + 7 = 30$
 $[[5,2,8][0,7,4][1,3,6]]$ - $f(n) = 23 + 7 = 30$
 $[[5,2,8][7,3,4][1,0,6]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,8][7,3,4][0,1,6]]$

Generated Nodes :

$[[5,2,8][0,3,4][7,1,6]]$ - $f(n) = 23 + 6 = 29$
 $[[5,2,8][7,3,4][1,0,6]]$ - Already visited Node!

Node Chosen for Level 23 - $[[3,7,5][6,1,2][0,8,4]]$

Generated Nodes :

$[[3,7,5][0,1,2][6,8,4]]$ - Already visited Node!
 $[[3,7,5][6,1,2][8,0,4]]$ - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,7,1][3,2,5][6,8,4]]$

Generated Nodes :

$[[7,0,1][3,2,5][6,8,4]]$ - Already visited Node!
 $[[3,7,1][0,2,5][6,8,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,7,5][3,1,6][0,4,2]]

Generated Nodes :

[[8,7,5][0,1,6][3,4,2]] – Already visited Node!
[[8,7,5][3,1,6][4,0,2]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,1,5][3,8,6][4,2,0]]

Generated Nodes :

[[7,1,5][3,8,0][4,2,6]] – $f(n) = 23 + 8 = 31$
[[7,1,5][3,8,6][4,0,2]] – Already visited Node!

Node Chosen for Level 23 – [[0,1,5][7,4,6][8,3,2]]

Generated Nodes :

[[1,0,5][7,4,6][8,3,2]] – $f(n) = 23 + 6 = 29$
[[7,1,5][0,4,6][8,3,2]] – Already visited Node!

Node Chosen for Level 23 – [[5,2,1][7,0,4][8,6,3]]

Generated Nodes :

[[5,0,1][7,2,4][8,6,3]] – $f(n) = 23 + 8 = 31$
[[5,2,1][7,4,0][8,6,3]] – $f(n) = 23 + 7 = 30$
[[5,2,1][0,7,4][8,6,3]] – $f(n) = 23 + 7 = 30$
[[5,2,1][7,6,4][8,0,3]] – Already visited Node!

Node Chosen for Level 23 – [[7,5,0][1,4,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] – Already visited Node!
[[7,5,6][1,4,0][8,2,3]] – $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 – [[0,7,5][1,4,6][8,2,3]]

Generated Nodes :

[[7,0,5][1,4,6][8,2,3]] – Already visited Node!
[[1,7,5][0,4,6][8,2,3]] – Already visited Node!

Node Chosen for Level 23 – [[0,4,5][7,1,6][8,2,3]]

Generated Nodes :

[[4,0,5][7,1,6][8,2,3]] – $f(n) = 23 + 7 = 30$
[[7,4,5][0,1,6][8,2,3]] – Already visited Node!

Node Chosen for Level 23 – [[7,4,5][8,1,6][0,2,3]]

Generated Nodes :

[[7,4,5][0,1,6][8,2,3]] - Already visited Node!
[[7,4,5][8,1,6][2,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,6,2][7,0,3][1,8,4]]

Generated Nodes :

[[5,0,2][7,6,3][1,8,4]] - Already visited Node!
[[5,6,2][7,3,0][1,8,4]] - $f(n) = 23 + 7 = 30$
[[5,6,2][0,7,3][1,8,4]] - $f(n) = 23 + 7 = 30$
[[5,6,2][7,8,3][1,0,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[7,5,0][6,3,2][1,8,4]]

Generated Nodes :

[[7,0,5][6,3,2][1,8,4]] - $f(n) = 23 + 7 = 30$
[[7,5,2][6,3,0][1,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,2][6,3,4][1,8,0]]

Generated Nodes :

[[7,5,2][6,3,0][1,8,4]] - Already visited Node!
[[7,5,2][6,3,4][1,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 24 - [[4,0,3][5,7,2][1,8,6]]

Generated Nodes :

[[4,3,0][5,7,2][1,8,6]] - $f(n) = 24 + 7 = 31$
[[0,4,3][5,7,2][1,8,6]] - Already visited Node!
[[4,7,3][5,0,2][1,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,5][8,4,2][7,3,6]]

Generated Nodes :

[[1,5,0][8,4,2][7,3,6]] - Already visited Node!
[[0,1,5][8,4,2][7,3,6]] - $f(n) = 24 + 7 = 31$
[[1,4,5][8,0,2][7,3,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,5,2][8,3,0][7,6,4]]

Generated Nodes :

[[1,5,0][8,3,2][7,6,4]] - $f(n) = 24 + 6 = 30$
[[1,5,2][8,0,3][7,6,4]] - $f(n) = 24 + 6 = 30$
[[1,5,2][8,3,4][7,6,0]] - Already visited Node!

Node Chosen for Level 24 – [[8,2,4][3,5,0][1,6,7]]

Generated Nodes :

[[8,2,0][3,5,4][1,6,7]] – $f(n) = 24 + 6 = 30$
[[8,2,4][3,0,5][1,6,7]] – $f(n) = 24 + 7 = 31$
[[8,2,4][3,5,7][1,6,0]] – Already visited Node!

Node Chosen for Level 24 – [[1,7,2][8,5,0][6,4,3]]

Generated Nodes :

[[1,7,0][8,5,2][6,4,3]] – $f(n) = 24 + 6 = 30$
[[1,7,2][8,0,5][6,4,3]] – $f(n) = 24 + 7 = 31$
[[1,7,2][8,5,3][6,4,0]] – Already visited Node!

Node Chosen for Level 25 – [[1,5,0][4,7,6][8,2,3]]

Generated Nodes :

[[1,0,5][4,7,6][8,2,3]] – Already visited Node!
[[1,5,6][4,7,0][8,2,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 23 – [[1,4,0][2,7,5][8,3,6]]

Generated Nodes :

[[1,0,4][2,7,5][8,3,6]] – Already visited Node!
[[1,4,5][2,7,0][8,3,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,7,4][2,3,5][8,6,0]]

Generated Nodes :

[[1,7,4][2,3,0][8,6,5]] – $f(n) = 23 + 7 = 30$
[[1,7,4][2,3,5][8,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[1,7,4][8,0,5][3,2,6]]

Generated Nodes :

[[1,0,4][8,7,5][3,2,6]] – $f(n) = 23 + 7 = 30$
[[1,7,4][8,5,0][3,2,6]] – $f(n) = 23 + 6 = 29$
[[1,7,4][0,8,5][3,2,6]] – $f(n) = 23 + 7 = 30$
[[1,7,4][8,2,5][3,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[1,7,4][8,2,5][3,6,0]]

Generated Nodes :

[[1,7,4][8,2,0][3,6,5]] – $f(n) = 23 + 7 = 30$

[[1,7,4][8,2,5][3,0,6]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,2][3,7,6][5,8,1]]

Generated Nodes :

[[4,2,0][3,7,6][5,8,1]] - $f(n) = 24 + 5 = 29$

[[0,4,2][3,7,6][5,8,1]] - $f(n) = 24 + 6 = 30$

[[4,7,2][3,0,6][5,8,1]] - Already visited Node!

Node Chosen for Level 23 - [[2,7,4][3,5,8][1,6,0]]

Generated Nodes :

[[2,7,4][3,5,0][1,6,8]] - $f(n) = 23 + 7 = 30$

[[2,7,4][3,5,8][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,8,2][5,0,4][7,1,6]]

Generated Nodes :

[[3,0,2][5,8,4][7,1,6]] - Already visited Node!

[[3,8,2][5,4,0][7,1,6]] - $f(n) = 23 + 7 = 30$

[[3,8,2][0,5,4][7,1,6]] - $f(n) = 23 + 6 = 29$

[[3,8,2][5,1,4][7,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,2][8,3,4][7,1,6]]

Generated Nodes :

[[5,0,2][8,3,4][7,1,6]] - Already visited Node!

[[8,5,2][0,3,4][7,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,3,0][8,4,2][7,1,6]]

Generated Nodes :

[[5,0,3][8,4,2][7,1,6]] - $f(n) = 23 + 6 = 29$

[[5,3,2][8,4,0][7,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][8,1,4][7,6,0]]

Generated Nodes :

[[5,3,2][8,1,0][7,6,4]] - $f(n) = 23 + 7 = 30$

[[5,3,2][8,1,4][7,0,6]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][0,4,6][8,3,5]]

Generated Nodes :

[[0,2,1][7,4,6][8,3,5]] - $f(n) = 24 + 6 = 30$

[[7,2,1][4,0,6][8,3,5]] - $f(n) = 24 + 5 = 29$
[[7,2,1][8,4,6][0,3,5]] - Already visited Node!

Node Chosen for Level 24 - [[1,2,4][0,8,7][3,5,6]]

Generated Nodes :

[[0,2,4][1,8,7][3,5,6]] - $f(n) = 24 + 7 = 31$
[[1,2,4][8,0,7][3,5,6]] - Already visited Node!
[[1,2,4][3,8,7][0,5,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,2][8,7,6][3,4,5]]

Generated Nodes :

[[1,2,0][8,7,6][3,4,5]] - $f(n) = 24 + 5 = 29$
[[0,1,2][8,7,6][3,4,5]] - $f(n) = 24 + 7 = 31$
[[1,7,2][8,0,6][3,4,5]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,2][0,8,6][3,4,5]]

Generated Nodes :

[[0,7,2][1,8,6][3,4,5]] - $f(n) = 24 + 7 = 31$
[[1,7,2][8,0,6][3,4,5]] - Already visited Node!
[[1,7,2][3,8,6][0,4,5]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,2][0,4,6][8,3,5]]

Generated Nodes :

[[0,7,2][1,4,6][8,3,5]] - $f(n) = 24 + 7 = 31$
[[1,7,2][4,0,6][8,3,5]] - $f(n) = 24 + 5 = 29$
[[1,7,2][8,4,6][0,3,5]] - Already visited Node!

Node Chosen for Level 25 - [[8,4,0][2,5,6][7,3,1]]

Generated Nodes :

[[8,0,4][2,5,6][7,3,1]] - Already visited Node!
[[8,4,6][2,5,0][7,3,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[7,2,1][3,8,6][4,0,5]]

Generated Nodes :

[[7,2,1][3,0,6][4,8,5]] - $f(n) = 24 + 5 = 29$
[[7,2,1][3,8,6][4,5,0]] - $f(n) = 24 + 6 = 30$
[[7,2,1][3,8,6][0,4,5]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][0,4,6][8,3,5]]

Generated Nodes :

[[0,2,1][7,4,6][8,3,5]] - $f(n) = 24 + 6 = 30$
[[7,2,1][4,0,6][8,3,5]] - $f(n) = 24 + 5 = 29$
[[7,2,1][8,4,6][0,3,5]] - Already visited Node!

Node Chosen for Level 23 - [[0,8,7][2,5,4][3,1,6]]

Generated Nodes :

[[8,0,7][2,5,4][3,1,6]] - Already visited Node!
[[2,8,7][0,5,4][3,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,4,2][3,5,8][0,1,6]]

Generated Nodes :

[[7,4,2][0,5,8][3,1,6]] - Already visited Node!
[[7,4,2][3,5,8][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,5,0][1,8,2][7,3,6]]

Generated Nodes :

[[4,0,5][1,8,2][7,3,6]] - Already visited Node!
[[4,5,2][1,8,0][7,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,4,5][1,8,2][7,3,6]]

Generated Nodes :

[[4,0,5][1,8,2][7,3,6]] - Already visited Node!
[[1,4,5][0,8,2][7,3,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[4,8,0][1,2,5][7,3,6]]

Generated Nodes :

[[4,0,8][1,2,5][7,3,6]] - $f(n) = 23 + 7 = 30$
[[4,8,5][1,2,0][7,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,8,5][1,3,2][7,6,0]]

Generated Nodes :

[[4,8,5][1,3,0][7,6,2]] - $f(n) = 23 + 7 = 30$
[[4,8,5][1,3,2][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,7,1][8,5,4][3,6,2]]

Generated Nodes :

[[7,0,1][8,5,4][3,6,2]] - Already visited Node!
[[8,7,1][0,5,4][3,6,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,1,4][8,5,2][0,3,6]]

Generated Nodes :

[[7,1,4][0,5,2][8,3,6]] - $f(n) = 23 + 7 = 30$
[[7,1,4][8,5,2][3,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,8,0][5,1,2][7,3,6]]

Generated Nodes :

[[4,0,8][5,1,2][7,3,6]] - Already visited Node!
[[4,8,2][5,1,0][7,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,1,8][5,0,2][7,3,6]]

Generated Nodes :

[[4,0,8][5,1,2][7,3,6]] - Already visited Node!
[[4,1,8][5,2,0][7,3,6]] - $f(n) = 23 + 7 = 30$
[[4,1,8][0,5,2][7,3,6]] - $f(n) = 23 + 6 = 29$
[[4,1,8][5,3,2][7,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,4,8][1,3,2][7,6,0]]

Generated Nodes :

[[5,4,8][1,3,0][7,6,2]] - $f(n) = 23 + 7 = 30$
[[5,4,8][1,3,2][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,6,2][5,0,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - Already visited Node!
[[8,6,2][5,1,0][7,3,4]] - $f(n) = 23 + 7 = 30$
[[8,6,2][0,5,1][7,3,4]] - $f(n) = 23 + 6 = 29$
[[8,6,2][5,3,1][7,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,2][6,8,1][7,3,4]]

Generated Nodes :

[[5,0,2][6,8,1][7,3,4]] - Already visited Node!
[[6,5,2][0,8,1][7,3,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,0][6,1,2][7,3,4]]

Generated Nodes :

[[5,0,8][6,1,2][7,3,4]] - $f(n) = 23 + 7 = 30$
[[5,8,2][6,1,0][7,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][6,1,4][7,3,0]]

Generated Nodes :

[[5,8,2][6,1,0][7,3,4]] - Already visited Node!
[[5,8,2][6,1,4][7,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,2][6,3,1][7,4,0]]

Generated Nodes :

[[5,8,2][6,3,0][7,4,1]] - $f(n) = 23 + 7 = 30$
[[5,8,2][6,3,1][7,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[6,7,2][3,5,8][0,1,4]]

Generated Nodes :

[[6,7,2][0,5,8][3,1,4]] - Already visited Node!
[[6,7,2][3,5,8][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,8,5][3,0,2][6,7,4]]

Generated Nodes :

[[1,0,5][3,8,2][6,7,4]] - $f(n) = 23 + 7 = 30$
[[1,8,5][3,2,0][6,7,4]] - $f(n) = 23 + 7 = 30$
[[1,8,5][0,3,2][6,7,4]] - $f(n) = 23 + 7 = 30$
[[1,8,5][3,7,2][6,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,8,5][3,7,2][6,4,0]]

Generated Nodes :

[[1,8,5][3,7,0][6,4,2]] - $f(n) = 23 + 7 = 30$
[[1,8,5][3,7,2][6,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,5,2][7,6,4][8,3,0]]

Generated Nodes :

[[1,5,2][7,6,0][8,3,4]] - Already visited Node!
[[1,5,2][7,6,4][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,6,0][7,2,5][8,3,4]]

Generated Nodes :

[[1,0,6][7,2,5][8,3,4]] - $f(n) = 23 + 7 = 30$
[[1,6,5][7,2,0][8,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[1,6,5][7,2,4][8,3,0]]

Generated Nodes :

[[1,6,5][7,2,0][8,3,4]] - Already visited Node!
[[1,6,5][7,2,4][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,6,5][8,7,2][0,3,4]]

Generated Nodes :

[[1,6,5][0,7,2][8,3,4]] - Already visited Node!
[[1,6,5][8,7,2][3,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,6,5][7,3,2][8,4,0]]

Generated Nodes :

[[1,6,5][7,3,0][8,4,2]] - $f(n) = 23 + 7 = 30$
[[1,6,5][7,3,2][8,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,6,2][5,0,1][7,3,4]]

Generated Nodes :

[[8,0,2][5,6,1][7,3,4]] - Already visited Node!
[[8,6,2][5,1,0][7,3,4]] - $f(n) = 23 + 7 = 30$
[[8,6,2][0,5,1][7,3,4]] - $f(n) = 23 + 6 = 29$
[[8,6,2][5,3,1][7,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,2][6,8,1][7,3,4]]

Generated Nodes :

[[5,0,2][6,8,1][7,3,4]] - Already visited Node!
[[6,5,2][0,8,1][7,3,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,0][6,1,2][7,3,4]]

Generated Nodes :

[[5,0,8][6,1,2][7,3,4]] - $f(n) = 23 + 7 = 30$
[[5,8,2][6,1,0][7,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,8,2][6,1,4][7,3,0]]

Generated Nodes :

[[5,8,2][6,1,0][7,3,4]] - Already visited Node!

$[[5,8,2][6,1,4][7,0,3]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,8,2][6,3,1][7,4,0]]$

Generated Nodes :

$[[5,8,2][6,3,0][7,4,1]] - f(n) = 23 + 7 = 30$

$[[5,8,2][6,3,1][7,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,7,2][6,5,8][0,4,1]]$

Generated Nodes :

$[[3,7,2][0,5,8][6,4,1]] - \text{Already visited Node!}$

$[[3,7,2][6,5,8][4,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,5,0][3,7,2][8,6,4]]$

Generated Nodes :

$[[1,0,5][3,7,2][8,6,4]] - \text{Already visited Node!}$

$[[1,5,2][3,7,0][8,6,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,7,0][3,2,5][8,6,4]]$

Generated Nodes :

$[[1,0,7][3,2,5][8,6,4]] - f(n) = 23 + 7 = 30$

$[[1,7,5][3,2,0][8,6,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,7,5][3,2,4][8,6,0]]$

Generated Nodes :

$[[1,7,5][3,2,0][8,6,4]] - \text{Already visited Node!}$

$[[1,7,5][3,2,4][8,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[1,7,5][3,6,2][8,4,0]]$

Generated Nodes :

$[[1,7,5][3,6,0][8,4,2]] - f(n) = 23 + 7 = 30$

$[[1,7,5][3,6,2][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,7,5][8,0,2][6,3,4]]$

Generated Nodes :

$[[1,0,5][8,7,2][6,3,4]] - f(n) = 23 + 7 = 30$

$[[1,7,5][8,2,0][6,3,4]] - f(n) = 23 + 7 = 30$

$[[1,7,5][0,8,2][6,3,4]] - f(n) = 23 + 7 = 30$

$[[1,7,5][8,3,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,7,5][8,3,2][6,4,0]]$

Generated Nodes :

$[[1,7,5][8,3,0][6,4,2]] - f(n) = 23 + 7 = 30$
 $[[1,7,5][8,3,2][6,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,4][0,8,6][3,1,7]]$

Generated Nodes :

$[[0,2,4][5,8,6][3,1,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][8,0,6][3,1,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][3,8,6][0,1,7]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[3,7,5][0,4,6][2,8,1]]$

Generated Nodes :

$[[0,7,5][3,4,6][2,8,1]] - \text{Already visited Node!}$
 $[[3,7,5][4,0,6][2,8,1]] - f(n) = 24 + 5 = 29$
 $[[3,7,5][2,4,6][0,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[4,0,5][7,3,6][2,8,1]]$

Generated Nodes :

$[[4,5,0][7,3,6][2,8,1]] - f(n) = 24 + 6 = 30$
 $[[0,4,5][7,3,6][2,8,1]] - \text{Already visited Node!}$
 $[[4,3,5][7,0,6][2,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[4,2,5][8,7,6][3,0,1]]$

Generated Nodes :

$[[4,2,5][8,0,6][3,7,1]] - f(n) = 24 + 6 = 30$
 $[[4,2,5][8,7,6][3,1,0]] - f(n) = 24 + 6 = 30$
 $[[4,2,5][8,7,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,0,5][7,3,6][2,8,1]]$

Generated Nodes :

$[[4,5,0][7,3,6][2,8,1]] - f(n) = 24 + 6 = 30$
 $[[0,4,5][7,3,6][2,8,1]] - \text{Already visited Node!}$
 $[[4,3,5][7,0,6][2,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[8,0,2][5,1,6][7,4,3]]$

Generated Nodes :

$[[8,2,0][5,1,6][7,4,3]] - f(n) = 24 + 5 = 29$
 $[[0,8,2][5,1,6][7,4,3]] - \text{Already visited Node!}$
 $[[8,1,2][5,0,6][7,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,1][0,7,3][6,8,4]]$

Generated Nodes :

$[[0,2,1][5,7,3][6,8,4]] - f(n) = 24 + 6 = 30$
 $[[5,2,1][7,0,3][6,8,4]] - \text{Already visited Node!}$
 $[[5,2,1][6,7,3][0,8,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[1,2,4][8,5,7][3,6,0]]$

Generated Nodes :

$[[1,2,4][8,5,0][3,6,7]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][8,5,7][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,0,5][7,2,6][1,8,3]]$

Generated Nodes :

$[[4,5,0][7,2,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[0,4,5][7,2,6][1,8,3]] - \text{Already visited Node!}$
 $[[4,2,5][7,0,6][1,8,3]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,0,5][2,4,6][1,8,3]]$

Generated Nodes :

$[[7,5,0][2,4,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[0,7,5][2,4,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[7,4,5][2,0,6][1,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,4][0,8,6][3,1,7]]$

Generated Nodes :

$[[0,2,4][5,8,6][3,1,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][8,0,6][3,1,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][3,8,6][0,1,7]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,1][8,7,6][3,0,4]]$

Generated Nodes :

$[[5,2,1][8,0,6][3,7,4]] - f(n) = 24 + 6 = 30$
 $[[5,2,1][8,7,6][3,4,0]] - f(n) = 24 + 6 = 30$
 $[[5,2,1][8,7,6][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,0,5][7,2,6][1,8,3]]$

Generated Nodes :

$[[4,5,0][7,2,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[0,4,5][7,2,6][1,8,3]] - \text{Already visited Node!}$
 $[[4,2,5][7,0,6][1,8,3]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,0,5][2,4,6][1,8,3]]$

Generated Nodes :

$[[7,5,0][2,4,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[0,7,5][2,4,6][1,8,3]] - f(n) = 24 + 6 = 30$
 $[[7,4,5][2,0,6][1,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[5,2,6][3,4,1][7,8,0]]$

Generated Nodes :

$[[5,2,6][3,4,0][7,8,1]] - \text{Already visited Node!}$
 $[[5,2,6][3,4,1][7,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - $[[8,7,4][0,5,6][2,3,1]]$

Generated Nodes :

$[[0,7,4][8,5,6][2,3,1]] - f(n) = 24 + 6 = 30$
 $[[8,7,4][5,0,6][2,3,1]] - f(n) = 24 + 7 = 31$
 $[[8,7,4][2,5,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,5,2][4,1,0][7,3,6]]$

Generated Nodes :

$[[8,5,0][4,1,2][7,3,6]] - \text{Already visited Node!}$
 $[[8,5,2][4,0,1][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[8,5,2][4,1,6][7,3,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[8,1,5][4,2,0][7,3,6]]$

Generated Nodes :

$[[8,1,0][4,2,5][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[8,1,5][4,0,2][7,3,6]] - \text{Already visited Node!}$
 $[[8,1,5][4,2,6][7,3,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[8,1,5][4,3,2][7,0,6]]$

Generated Nodes :

$[[8,1,5][4,0,2][7,3,6]] - \text{Already visited Node!}$
 $[[8,1,5][4,3,2][7,6,0]] - f(n) = 24 + 6 = 30$

$[[8,1,5][4,3,2][0,7,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[7,2,8][1,5,4][6,0,3]]$

Generated Nodes :

$[[7,2,8][1,0,4][6,5,3]] - f(n) = 24 + 7 = 31$
 $[[7,2,8][1,5,4][6,3,0]] - \text{Already visited Node!}$
 $[[7,2,8][1,5,4][0,6,3]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,2,8][6,5,4][3,0,1]]$

Generated Nodes :

$[[7,2,8][6,0,4][3,5,1]] - f(n) = 24 + 7 = 31$
 $[[7,2,8][6,5,4][3,1,0]] - \text{Already visited Node!}$
 $[[7,2,8][6,5,4][0,3,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,2,8][3,5,1][6,0,4]]$

Generated Nodes :

$[[7,2,8][3,0,1][6,5,4]] - f(n) = 24 + 7 = 31$
 $[[7,2,8][3,5,1][6,4,0]] - \text{Already visited Node!}$
 $[[7,2,8][3,5,1][0,6,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[7,4,2][3,5,6][0,8,1]]$

Generated Nodes :

$[[7,4,2][0,5,6][3,8,1]] - \text{Already visited Node!}$
 $[[7,4,2][3,5,6][8,0,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 23 - $[[3,2,4][1,0,7][8,5,6]]$

Generated Nodes :

$[[3,0,4][1,2,7][8,5,6]] - f(n) = 23 + 8 = 31$
 $[[3,2,4][1,7,0][8,5,6]] - \text{Already visited Node!}$
 $[[3,2,4][0,1,7][8,5,6]] - f(n) = 23 + 7 = 30$
 $[[3,2,4][1,5,7][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,7,2][1,0,6][8,4,5]]$

Generated Nodes :

$[[3,0,2][1,7,6][8,4,5]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][1,6,0][8,4,5]] - f(n) = 23 + 8 = 31$
 $[[3,7,2][0,1,6][8,4,5]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][1,4,6][8,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,0,4][2,7,6][8,5,3]]$

Generated Nodes :

$[[1,4,0][2,7,6][8,5,3]] - f(n) = 24 + 6 = 30$
 $[[0,1,4][2,7,6][8,5,3]] - f(n) = 24 + 7 = 31$
 $[[1,7,4][2,0,6][8,5,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,7,4][8,2,6][5,0,3]]$

Generated Nodes :

$[[1,7,4][8,0,6][5,2,3]] - f(n) = 24 + 6 = 30$
 $[[1,7,4][8,2,6][5,3,0]] - f(n) = 24 + 6 = 30$
 $[[1,7,4][8,2,6][0,5,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,4][6,1,0][7,3,8]]$

Generated Nodes :

$[[5,2,0][6,1,4][7,3,8]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][6,0,1][7,3,8]] - \text{Already visited Node!}$
 $[[5,2,4][6,1,8][7,3,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,4][6,3,1][7,0,8]]$

Generated Nodes :

$[[5,2,4][6,0,1][7,3,8]] - \text{Already visited Node!}$
 $[[5,2,4][6,3,1][7,8,0]] - f(n) = 24 + 5 = 29$
 $[[5,2,4][6,3,1][0,7,8]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 23 - $[[8,2,1][3,0,7][6,5,4]]$

Generated Nodes :

$[[8,0,1][3,2,7][6,5,4]] - f(n) = 23 + 8 = 31$
 $[[8,2,1][3,7,0][6,5,4]] - \text{Already visited Node!}$
 $[[8,2,1][0,3,7][6,5,4]] - f(n) = 23 + 7 = 30$
 $[[8,2,1][3,5,7][6,0,4]] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[[8,2,1][3,7,4][6,5,0]]$

Generated Nodes :

$[[8,2,1][3,7,0][6,5,4]] - \text{Already visited Node!}$
 $[[8,2,1][3,7,4][6,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,2,8][5,0,7][1,6,4]]$

Generated Nodes :

$[[3,0,8][5,2,7][1,6,4]] - f(n) = 23 + 8 = 31$

$[[3,2,8][5,7,0][1,6,4]]$ - Already visited Node!
 $[[3,2,8][0,5,7][1,6,4]]$ - $f(n) = 23 + 6 = 29$
 $[[3,2,8][5,6,7][1,0,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,2,8][5,7,4][1,6,0]]$

Generated Nodes :

$[[3,2,8][5,7,0][1,6,4]]$ - Already visited Node!
 $[[3,2,8][5,7,4][1,0,6]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[5,2,4][8,1,3][7,0,6]]$

Generated Nodes :

$[[5,2,4][8,0,3][7,1,6]]$ - Already visited Node!
 $[[5,2,4][8,1,3][7,6,0]]$ - $f(n) = 24 + 6 = 30$
 $[[5,2,4][8,1,3][0,7,6]]$ - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[1,5,4][2,8,0][7,3,6]]$

Generated Nodes :

$[[1,5,0][2,8,4][7,3,6]]$ - $f(n) = 24 + 6 = 30$
 $[[1,5,4][2,0,8][7,3,6]]$ - Already visited Node!
 $[[1,5,4][2,8,6][7,3,0]]$ - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[1,5,4][2,3,8][7,0,6]]$

Generated Nodes :

$[[1,5,4][2,0,8][7,3,6]]$ - Already visited Node!
 $[[1,5,4][2,3,8][7,6,0]]$ - $f(n) = 24 + 6 = 30$
 $[[1,5,4][2,3,8][0,7,6]]$ - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[8,2,6][3,5,7][4,0,1]]$

Generated Nodes :

$[[8,2,6][3,0,7][4,5,1]]$ - Already visited Node!
 $[[8,2,6][3,5,7][4,1,0]]$ - $f(n) = 24 + 6 = 30$
 $[[8,2,6][3,5,7][0,4,1]]$ - Already visited Node!

Node Chosen for Level 24 - $[[6,7,2][0,5,1][4,8,3]]$

Generated Nodes :

$[[0,7,2][6,5,1][4,8,3]]$ - Already visited Node!
 $[[6,7,2][5,0,1][4,8,3]]$ - $f(n) = 24 + 7 = 31$
 $[[6,7,2][4,5,1][0,8,3]]$ - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[3,0,2][5,4,6][7,1,8]]$

Generated Nodes :

[[3,2,0][5,4,6][7,1,8]] - $f(n) = 24 + 5 = 29$
[[0,3,2][5,4,6][7,1,8]] - Already visited Node!
[[3,4,2][5,0,6][7,1,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[0,2,3][7,6,5][1,8,4]]

Generated Nodes :

[[2,0,3][7,6,5][1,8,4]] - $f(n) = 25 + 6 = 31$
[[7,2,3][0,6,5][1,8,4]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,3][6,0,5][1,8,4]]

Generated Nodes :

[[7,0,3][6,2,5][1,8,4]] - $f(n) = 25 + 6 = 31$
[[7,2,3][6,5,0][1,8,4]] - Already visited Node!
[[7,2,3][0,6,5][1,8,4]] - Already visited Node!
[[7,2,3][6,8,5][1,0,4]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 23 - [[7,5,2][4,0,8][1,3,6]]

Generated Nodes :

[[7,0,2][4,5,8][1,3,6]] - $f(n) = 23 + 6 = 29$
[[7,5,2][4,8,0][1,3,6]] - Already visited Node!
[[7,5,2][0,4,8][1,3,6]] - $f(n) = 23 + 8 = 31$
[[7,5,2][4,3,8][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,2][4,3,8][1,6,0]]

Generated Nodes :

[[7,5,2][4,3,0][1,6,8]] - $f(n) = 23 + 7 = 30$
[[7,5,2][4,3,8][1,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,8][5,0,6][3,7,1]]

Generated Nodes :

[[2,0,8][5,4,6][3,7,1]] - $f(n) = 23 + 7 = 30$
[[2,4,8][5,6,0][3,7,1]] - $f(n) = 23 + 8 = 31$
[[2,4,8][0,5,6][3,7,1]] - $f(n) = 23 + 6 = 29$
[[2,4,8][5,7,6][3,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[2,4,8][5,7,6][0,3,1]]

Generated Nodes :

$[[2,4,8][0,7,6][5,3,1]] - f(n) = 23 + 7 = 30$
 $[[2,4,8][5,7,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[2,7,4][5,8,6][0,3,1]]$

Generated Nodes :

$[[2,7,4][0,8,6][5,3,1]] - f(n) = 23 + 7 = 30$
 $[[2,7,4][5,8,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,7,5][1,0,6][4,2,3]]$

Generated Nodes :

$[[8,0,5][1,7,6][4,2,3]] - f(n) = 23 + 7 = 30$
 $[[8,7,5][1,6,0][4,2,3]] - f(n) = 23 + 8 = 31$
 $[[8,7,5][0,1,6][4,2,3]] - f(n) = 23 + 7 = 30$
 $[[8,7,5][1,2,6][4,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,7,5][1,2,6][0,4,3]]$

Generated Nodes :

$[[8,7,5][0,2,6][1,4,3]] - f(n) = 23 + 7 = 30$
 $[[8,7,5][1,2,6][4,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,4,1][7,0,6][8,2,3]]$

Generated Nodes :

$[[5,0,1][7,4,6][8,2,3]] - f(n) = 23 + 7 = 30$
 $[[5,4,1][7,6,0][8,2,3]] - f(n) = 23 + 8 = 31$
 $[[5,4,1][0,7,6][8,2,3]] - f(n) = 23 + 7 = 30$
 $[[5,4,1][7,2,6][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[0,2,6][7,5,3][1,8,4]]$

Generated Nodes :

$[[2,0,6][7,5,3][1,8,4]] - f(n) = 25 + 6 = 31$
 $[[7,2,6][0,5,3][1,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[3,0,7][2,5,4][1,8,6]]$

Generated Nodes :

$[[3,7,0][2,5,4][1,8,6]] - \text{Already visited Node!}$
 $[[0,3,7][2,5,4][1,8,6]] - f(n) = 24 + 6 = 30$
 $[[3,5,7][2,0,4][1,8,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[5,2,6][8,1,0][7,3,4]]$

Generated Nodes :

[[5,2,0][8,1,6][7,3,4]] - $f(n) = 24 + 5 = 29$
[[5,2,6][8,0,1][7,3,4]] - Already visited Node!
[[5,2,6][8,1,4][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,6][8,3,1][7,0,4]]

Generated Nodes :

[[5,2,6][8,0,1][7,3,4]] - Already visited Node!
[[5,2,6][8,3,1][7,4,0]] - $f(n) = 24 + 6 = 30$
[[5,2,6][8,3,1][0,7,4]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 23 - [[7,5,4][2,8,6][0,3,1]]

Generated Nodes :

[[7,5,4][0,8,6][2,3,1]] - $f(n) = 23 + 7 = 30$
[[7,5,4][2,8,6][3,0,1]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,7][3,5,2][1,8,6]]

Generated Nodes :

[[4,7,0][3,5,2][1,8,6]] - $f(n) = 24 + 6 = 30$
[[0,4,7][3,5,2][1,8,6]] - Already visited Node!
[[4,5,7][3,0,2][1,8,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[1,4,7][8,5,2][3,0,6]]

Generated Nodes :

[[1,4,7][8,0,2][3,5,6]] - Already visited Node!
[[1,4,7][8,5,2][3,6,0]] - $f(n) = 24 + 6 = 30$
[[1,4,7][8,5,2][0,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][3,0,6][1,7,4]]

Generated Nodes :

[[8,0,2][3,5,6][1,7,4]] - $f(n) = 23 + 6 = 29$
[[8,5,2][3,6,0][1,7,4]] - $f(n) = 23 + 8 = 31$
[[8,5,2][0,3,6][1,7,4]] - $f(n) = 23 + 7 = 30$
[[8,5,2][3,7,6][1,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,2][3,7,6][0,1,4]]

Generated Nodes :

[[8,5,2][0,7,6][3,1,4]] - $f(n) = 23 + 7 = 30$
[[8,5,2][3,7,6][1,0,4]] - Already visited Node!

Node Chosen for Level 23 - $[[0,2,7][8,3,5][1,4,6]]$

Generated Nodes :

$[[2,0,7][8,3,5][1,4,6]] - f(n) = 23 + 8 = 31$
 $[[8,2,7][0,3,5][1,4,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,2,7][1,3,5][0,4,6]]$

Generated Nodes :

$[[8,2,7][0,3,5][1,4,6]] - \text{Already visited Node!}$
 $[[8,2,7][1,3,5][4,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,2,7][3,4,5][1,6,0]]$

Generated Nodes :

$[[8,2,7][3,4,0][1,6,5]] - f(n) = 23 + 7 = 30$
 $[[8,2,7][3,4,5][1,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,7,2][4,0,8][3,1,6]]$

Generated Nodes :

$[[5,0,2][4,7,8][3,1,6]] - \text{Already visited Node!}$
 $[[5,7,2][4,8,0][3,1,6]] - f(n) = 23 + 7 = 30$
 $[[5,7,2][0,4,8][3,1,6]] - f(n) = 23 + 8 = 31$
 $[[5,7,2][4,1,8][3,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,2,8][3,7,5][0,1,6]]$

Generated Nodes :

$[[4,2,8][0,7,5][3,1,6]] - \text{Already visited Node!}$
 $[[4,2,8][3,7,5][1,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,2,8][7,1,5][3,6,0]]$

Generated Nodes :

$[[4,2,8][7,1,0][3,6,5]] - f(n) = 23 + 7 = 30$
 $[[4,2,8][7,1,5][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,2,8][7,1,5][0,3,6]]$

Generated Nodes :

$[[4,2,8][0,1,5][7,3,6]] - f(n) = 23 + 6 = 29$
 $[[4,2,8][7,1,5][3,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,5,0][3,4,1][6,8,2]]$

Generated Nodes :

 $[[7,0,5][3,4,1][6,8,2]]$ - Already visited Node!
 $[[7,5,1][3,4,0][6,8,2]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,7,5][3,4,1][6,8,2]]$

Generated Nodes :

 $[[7,0,5][3,4,1][6,8,2]]$ - Already visited Node!
 $[[3,7,5][0,4,1][6,8,2]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,4,0][3,1,5][6,8,2]]$

Generated Nodes :

 $[[7,0,4][3,1,5][6,8,2]]$ - $f(n) = 23 + 7 = 30$
 $[[7,4,5][3,1,0][6,8,2]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,4,5][3,1,2][6,8,0]]$

Generated Nodes :

 $[[7,4,5][3,1,0][6,8,2]]$ - Already visited Node!
 $[[7,4,5][3,1,2][6,0,8]]$ - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - $[[0,4,5][7,3,1][6,8,2]]$

Generated Nodes :

 $[[4,0,5][7,3,1][6,8,2]]$ - $f(n) = 23 + 7 = 30$
 $[[7,4,5][0,3,1][6,8,2]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,4,5][6,3,1][0,8,2]]$

Generated Nodes :

 $[[7,4,5][0,3,1][6,8,2]]$ - Already visited Node!
 $[[7,4,5][6,3,1][8,0,2]]$ - Already visited Node!

Node Chosen for Level 23 - $[[4,5,2][7,0,6][8,1,3]]$

Generated Nodes :

 $[[4,0,2][7,5,6][8,1,3]]$ - $f(n) = 23 + 6 = 29$
 $[[4,5,2][7,6,0][8,1,3]]$ - $f(n) = 23 + 8 = 31$
 $[[4,5,2][0,7,6][8,1,3]]$ - $f(n) = 23 + 7 = 30$
 $[[4,5,2][7,1,6][8,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[4,1,5][7,0,6][8,2,3]]$

Generated Nodes :

$[4,0,5][7,1,6][8,2,3] - f(n) = 23 + 7 = 30$
 $[4,1,5][7,6,0][8,2,3] - f(n) = 23 + 8 = 31$
 $[4,1,5][0,7,6][8,2,3] - f(n) = 23 + 7 = 30$
 $[4,1,5][7,2,6][8,0,3] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[8,2,4][5,0,3][1,7,6]$

Generated Nodes :

$[8,0,4][5,2,3][1,7,6] - f(n) = 23 + 8 = 31$
 $[8,2,4][5,3,0][1,7,6] - \text{Already visited Node!}$
 $[8,2,4][0,5,3][1,7,6] - f(n) = 23 + 6 = 29$
 $[8,2,4][5,7,3][1,0,6] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[5,2,7][3,0,8][1,6,4]$

Generated Nodes :

$[5,0,7][3,2,8][1,6,4] - f(n) = 23 + 8 = 31$
 $[5,2,7][3,8,0][1,6,4] - \text{Already visited Node!}$
 $[5,2,7][0,3,8][1,6,4] - f(n) = 23 + 7 = 30$
 $[5,2,7][3,6,8][1,0,4] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[5,2,7][3,8,4][1,6,0]$

Generated Nodes :

$[5,2,7][3,8,0][1,6,4] - \text{Already visited Node!}$
 $[5,2,7][3,8,4][1,0,6] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[3,5,0][1,7,2][6,8,4]$

Generated Nodes :

$[3,0,5][1,7,2][6,8,4] - \text{Already visited Node!}$
 $[3,5,2][1,7,0][6,8,4] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[0,3,5][1,7,2][6,8,4]$

Generated Nodes :

$[3,0,5][1,7,2][6,8,4] - \text{Already visited Node!}$
 $[1,3,5][0,7,2][6,8,4] - f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - $[3,7,0][1,2,5][6,8,4]$

Generated Nodes :

$[3,0,7][1,2,5][6,8,4] - f(n) = 23 + 7 = 30$

[[3,7,5][1,2,0][6,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][1,2,4][6,8,0]]

Generated Nodes :

[[3,7,5][1,2,0][6,8,4]] - Already visited Node!

[[3,7,5][1,2,4][6,0,8]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[3,7,5][6,1,2][0,8,4]]

Generated Nodes :

[[3,7,5][0,1,2][6,8,4]] - Already visited Node!

[[3,7,5][6,1,2][8,0,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[7,5,0][3,8,6][1,4,2]]

Generated Nodes :

[[7,0,5][3,8,6][1,4,2]] - Already visited Node!

[[7,5,6][3,8,0][1,4,2]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,7,5][3,8,6][1,4,2]]

Generated Nodes :

[[7,0,5][3,8,6][1,4,2]] - Already visited Node!

[[3,7,5][0,8,6][1,4,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,8,5][7,3,6][1,4,2]]

Generated Nodes :

[[8,0,5][7,3,6][1,4,2]] - $f(n) = 23 + 7 = 30$

[[7,8,5][0,3,6][1,4,2]] - Already visited Node!

Node Chosen for Level 23 - [[7,8,5][1,3,6][0,4,2]]

Generated Nodes :

[[7,8,5][0,3,6][1,4,2]] - Already visited Node!

[[7,8,5][1,3,6][4,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,8,5][3,4,6][1,2,0]]

Generated Nodes :

[[7,8,5][3,4,0][1,2,6]] - Already visited Node!

[[7,8,5][3,4,6][1,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[7,8,5][3,4,6][0,1,2]]

Generated Nodes :

[[7,8,5][0,4,6][3,1,2]] - $f(n) = 23 + 7 = 30$
[[7,8,5][3,4,6][1,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,8][7,6,4][3,1,0]]

Generated Nodes :

[[5,2,8][7,6,0][3,1,4]] - Already visited Node!
[[5,2,8][7,6,4][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,2,7][8,1,5][3,6,4]]

Generated Nodes :

[[2,0,7][8,1,5][3,6,4]] - $f(n) = 23 + 8 = 31$
[[8,2,7][0,1,5][3,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][3,1,5][0,6,4]]

Generated Nodes :

[[8,2,7][0,1,5][3,6,4]] - Already visited Node!
[[8,2,7][3,1,5][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,7][1,6,5][3,4,0]]

Generated Nodes :

[[8,2,7][1,6,0][3,4,5]] - $f(n) = 23 + 7 = 30$
[[8,2,7][1,6,5][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][1,6,5][0,3,4]]

Generated Nodes :

[[8,2,7][0,6,5][1,3,4]] - $f(n) = 23 + 7 = 30$
[[8,2,7][1,6,5][3,0,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,5,0][1,7,6][3,4,2]]

Generated Nodes :

[[8,0,5][1,7,6][3,4,2]] - Already visited Node!
[[8,5,6][1,7,0][3,4,2]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 23 - [[0,8,5][1,7,6][3,4,2]]

Generated Nodes :

[[8,0,5][1,7,6][3,4,2]] - Already visited Node!
[[1,8,5][0,7,6][3,4,2]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[8,7,5][3,1,6][0,4,2]]

Generated Nodes :

[[8,7,5][0,1,6][3,4,2]] - Already visited Node!
[[8,7,5][3,1,6][4,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,5][1,4,6][3,2,0]]

Generated Nodes :

[[8,7,5][1,4,0][3,2,6]] - Already visited Node!
[[8,7,5][1,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[8,7,5][1,4,6][0,3,2]]

Generated Nodes :

[[8,7,5][0,4,6][1,3,2]] - $f(n) = 23 + 7 = 30$
[[8,7,5][1,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][7,1,4][6,8,3]]

Generated Nodes :

[[5,0,2][7,1,4][6,8,3]] - $f(n) = 23 + 7 = 30$
[[7,5,2][0,1,4][6,8,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,2][1,0,4][6,8,3]]

Generated Nodes :

[[7,0,2][1,5,4][6,8,3]] - $f(n) = 23 + 6 = 29$
[[7,5,2][1,4,0][6,8,3]] - $f(n) = 23 + 7 = 30$
[[7,5,2][0,1,4][6,8,3]] - Already visited Node!
[[7,5,2][1,8,4][6,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,0][4,2,1][8,3,6]]

Generated Nodes :

[[7,0,5][4,2,1][8,3,6]] - $f(n) = 23 + 7 = 30$
[[7,5,1][4,2,0][8,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,1][4,3,2][8,6,0]]

Generated Nodes :

[[7,5,1][4,3,0][8,6,2]] - $f(n) = 23 + 7 = 30$

[[7,5,1][4,3,2][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,1][7,0,6][8,2,3]]

Generated Nodes :

[[5,0,1][7,4,6][8,2,3]] - $f(n) = 23 + 7 = 30$
[[5,4,1][7,6,0][8,2,3]] - $f(n) = 23 + 8 = 31$
[[5,4,1][0,7,6][8,2,3]] - $f(n) = 23 + 7 = 30$
[[5,4,1][7,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[5,1,2][8,0,6][3,4,7]]

Generated Nodes :

[[5,0,2][8,1,6][3,4,7]] - $f(n) = 23 + 7 = 30$
[[5,1,2][8,6,0][3,4,7]] - $f(n) = 23 + 8 = 31$
[[5,1,2][0,8,6][3,4,7]] - $f(n) = 23 + 7 = 30$
[[5,1,2][8,4,6][3,0,7]] - Already visited Node!

Node Chosen for Level 23 - [[5,1,2][8,4,6][0,3,7]]

Generated Nodes :

[[5,1,2][0,4,6][8,3,7]] - $f(n) = 23 + 7 = 30$
[[5,1,2][8,4,6][3,0,7]] - Already visited Node!

Node Chosen for Level 23 - [[0,3,5][7,6,2][1,8,4]]

Generated Nodes :

[[3,0,5][7,6,2][1,8,4]] - $f(n) = 23 + 7 = 30$
[[7,3,5][0,6,2][1,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[7,3,5][6,0,2][1,8,4]]

Generated Nodes :

[[7,0,5][6,3,2][1,8,4]] - $f(n) = 23 + 7 = 30$
[[7,3,5][6,2,0][1,8,4]] - $f(n) = 23 + 7 = 30$
[[7,3,5][0,6,2][1,8,4]] - Already visited Node!
[[7,3,5][6,8,2][1,0,4]] - $f(n) = 23 + 8 = 31$

Node Chosen for Level 24 - [[5,2,4][6,1,0][7,3,8]]

Generated Nodes :

[[5,2,0][6,1,4][7,3,8]] - $f(n) = 24 + 6 = 30$
[[5,2,4][6,0,1][7,3,8]] - Already visited Node!
[[5,2,4][6,1,8][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,4][6,3,1][7,0,8]]

Generated Nodes :

[[5,2,4][6,0,1][7,3,8]] - Already visited Node!
[[5,2,4][6,3,1][7,8,0]] - $f(n) = 24 + 5 = 29$
[[5,2,4][6,3,1][0,7,8]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[8,0,1][4,5,7][3,6,2]]

Generated Nodes :

[[8,1,0][4,5,7][3,6,2]] - Already visited Node!
[[0,8,1][4,5,7][3,6,2]] - $f(n) = 24 + 6 = 30$
[[8,5,1][4,0,7][3,6,2]] - Already visited Node!

Node Chosen for Level 24 - [[8,1,7][4,5,2][3,0,6]]

Generated Nodes :

[[8,1,7][4,0,2][3,5,6]] - $f(n) = 24 + 7 = 31$
[[8,1,7][4,5,2][3,6,0]] - Already visited Node!
[[8,1,7][4,5,2][0,3,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[8,7,2][0,5,6][4,1,3]]

Generated Nodes :

[[0,7,2][8,5,6][4,1,3]] - Already visited Node!
[[8,7,2][5,0,6][4,1,3]] - $f(n) = 24 + 7 = 31$
[[8,7,2][4,5,6][0,1,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,1][6,8,0][7,3,4]]

Generated Nodes :

[[5,2,0][6,8,1][7,3,4]] - Already visited Node!
[[5,2,1][6,0,8][7,3,4]] - Already visited Node!
[[5,2,1][6,8,4][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,1][6,3,8][7,0,4]]

Generated Nodes :

[[5,2,1][6,0,8][7,3,4]] - Already visited Node!
[[5,2,1][6,3,8][7,4,0]] - $f(n) = 24 + 6 = 30$
[[5,2,1][6,3,8][0,7,4]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[5,2,1][8,4,0][7,3,6]]

Generated Nodes :

[[5,2,0][8,4,1][7,3,6]] - $f(n) = 24 + 6 = 30$

[[5,2,1][8,0,4][7,3,6]] - Already visited Node!
[[5,2,1][8,4,6][7,3,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,1][8,3,4][7,0,6]]

Generated Nodes :

[[5,2,1][8,0,4][7,3,6]] - Already visited Node!
[[5,2,1][8,3,4][7,6,0]] - $f(n) = 24 + 6 = 30$
[[5,2,1][8,3,4][0,7,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 25 - [[1,2,4][3,0,7][5,8,6]]

Generated Nodes :

[[1,0,4][3,2,7][5,8,6]] - $f(n) = 25 + 6 = 31$
[[1,2,4][3,7,0][5,8,6]] - Already visited Node!
[[1,2,4][0,3,7][5,8,6]] - Already visited Node!
[[1,2,4][3,8,7][5,0,6]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,2,4][3,0,7][5,8,6]]

Generated Nodes :

[[1,0,4][3,2,7][5,8,6]] - $f(n) = 25 + 6 = 31$
[[1,2,4][3,7,0][5,8,6]] - Already visited Node!
[[1,2,4][0,3,7][5,8,6]] - Already visited Node!
[[1,2,4][3,8,7][5,0,6]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[1,0,5][6,8,2][7,3,4]]

Generated Nodes :

[[1,5,0][6,8,2][7,3,4]] - $f(n) = 24 + 6 = 30$
[[0,1,5][6,8,2][7,3,4]] - $f(n) = 24 + 7 = 31$
[[1,8,5][6,0,2][7,3,4]] - Already visited Node!

Node Chosen for Level 24 - [[1,8,5][6,2,0][7,3,4]]

Generated Nodes :

[[1,8,0][6,2,5][7,3,4]] - $f(n) = 24 + 6 = 30$
[[1,8,5][6,0,2][7,3,4]] - Already visited Node!
[[1,8,5][6,2,4][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,5][6,3,2][7,0,4]]

Generated Nodes :

[[1,8,5][6,0,2][7,3,4]] - Already visited Node!
[[1,8,5][6,3,2][7,4,0]] - $f(n) = 24 + 6 = 30$
[[1,8,5][6,3,2][0,7,4]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 26 – [[1,4,3][5,2,0][7,8,6]]

Generated Nodes :

[[1,4,0][5,2,3][7,8,6]] – Already visited Node!
[[1,4,3][5,0,2][7,8,6]] – Already visited Node!
[[1,4,3][5,2,6][7,8,0]] – $f(n) = 26 + 3 = 29$

Node Chosen for Level 25 – [[0,2,1][7,5,4][6,8,3]]

Generated Nodes :

[[2,0,1][7,5,4][6,8,3]] – $f(n) = 25 + 6 = 31$
[[7,2,1][0,5,4][6,8,3]] – Already visited Node!

Node Chosen for Level 25 – [[1,5,2][4,0,6][8,7,3]]

Generated Nodes :

[[1,0,2][4,5,6][8,7,3]] – $f(n) = 25 + 4 = 29$
[[1,5,2][4,6,0][8,7,3]] – $f(n) = 25 + 6 = 31$
[[1,5,2][0,4,6][8,7,3]] – $f(n) = 25 + 6 = 31$
[[1,5,2][4,7,6][8,0,3]] – Already visited Node!

Node Chosen for Level 25 – [[1,2,7][4,3,5][8,6,0]]

Generated Nodes :

[[1,2,7][4,3,0][8,6,5]] – $f(n) = 25 + 5 = 30$
[[1,2,7][4,3,5][8,0,6]] – Already visited Node!

Node Chosen for Level 24 – [[8,2,1][3,5,7][6,0,4]]

Generated Nodes :

[[8,2,1][3,0,7][6,5,4]] – Already visited Node!
[[8,2,1][3,5,7][6,4,0]] – $f(n) = 24 + 6 = 30$
[[8,2,1][3,5,7][0,6,4]] – Already visited Node!

Node Chosen for Level 24 – [[4,0,8][5,2,6][7,3,1]]

Generated Nodes :

[[4,8,0][5,2,6][7,3,1]] – $f(n) = 24 + 6 = 30$
[[0,4,8][5,2,6][7,3,1]] – Already visited Node!
[[4,2,8][5,0,6][7,3,1]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 – [[5,0,8][2,4,6][7,3,1]]

Generated Nodes :

$[[5,8,0][2,4,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[0,5,8][2,4,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][2,0,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,4,8][2,3,6][7,0,1]]$

Generated Nodes :

$[[5,4,8][2,0,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,4,8][2,3,6][7,1,0]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][2,3,6][0,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[4,0,5][2,8,6][7,3,1]]$

Generated Nodes :

$[[4,5,0][2,8,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[0,4,5][2,8,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[4,8,5][2,0,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,8,5][2,3,6][7,0,1]]$

Generated Nodes :

$[[4,8,5][2,0,6][7,3,1]] - \text{Already visited Node!}$
 $[[4,8,5][2,3,6][7,1,0]] - f(n) = 24 + 6 = 30$
 $[[4,8,5][2,3,6][0,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[4,0,8][5,2,6][7,3,1]]$

Generated Nodes :

$[[4,8,0][5,2,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[0,4,8][5,2,6][7,3,1]] - \text{Already visited Node!}$
 $[[4,2,8][5,0,6][7,3,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,0,8][2,4,6][7,3,1]]$

Generated Nodes :

$[[5,8,0][2,4,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[0,5,8][2,4,6][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][2,0,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,4,8][2,3,6][7,0,1]]$

Generated Nodes :

$[[5,4,8][2,0,6][7,3,1]] - \text{Already visited Node!}$
 $[[5,4,8][2,3,6][7,1,0]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][2,3,6][0,7,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[1,5,2][7,3,0][6,8,4]]$

Generated Nodes :

 $[[1,5,0][7,3,2][6,8,4]]$ - Already visited Node!
 $[[1,5,2][7,0,3][6,8,4]]$ - $f(n) = 24 + 6 = 30$
 $[[1,5,2][7,3,4][6,8,0]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,3,5][7,2,0][6,8,4]]$

Generated Nodes :

 $[[1,3,0][7,2,5][6,8,4]]$ - $f(n) = 24 + 6 = 30$
 $[[1,3,5][7,0,2][6,8,4]]$ - Already visited Node!
 $[[1,3,5][7,2,4][6,8,0]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,3,5][0,7,2][6,8,4]]$

Generated Nodes :

 $[[0,3,5][1,7,2][6,8,4]]$ - Already visited Node!
 $[[1,3,5][7,0,2][6,8,4]]$ - Already visited Node!
 $[[1,3,5][6,7,2][0,8,4]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,8,5][0,7,6][3,4,2]]$

Generated Nodes :

 $[[0,8,5][1,7,6][3,4,2]]$ - Already visited Node!
 $[[1,8,5][7,0,6][3,4,2]]$ - Already visited Node!
 $[[1,8,5][3,7,6][0,4,2]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,8,5][7,4,6][3,0,2]]$

Generated Nodes :

 $[[1,8,5][7,0,6][3,4,2]]$ - Already visited Node!
 $[[1,8,5][7,4,6][3,2,0]]$ - $f(n) = 24 + 6 = 30$
 $[[1,8,5][7,4,6][0,3,2]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[6,7,2][0,5,3][1,8,4]]$

Generated Nodes :

 $[[0,7,2][6,5,3][1,8,4]]$ - Already visited Node!
 $[[6,7,2][5,0,3][1,8,4]]$ - $f(n) = 24 + 7 = 31$
 $[[6,7,2][1,5,3][0,8,4]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[1,5,2][8,0,6][7,4,3]]$

Generated Nodes :

$[[1,0,2][8,5,6][7,4,3]] - f(n) = 25 + 4 = 29$
 $[[1,5,2][8,6,0][7,4,3]] - f(n) = 25 + 6 = 31$
 $[[1,5,2][0,8,6][7,4,3]] - \text{Already visited Node!}$
 $[[1,5,2][8,4,6][7,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[7,8,2][4,5,6][0,3,1]]$

Generated Nodes :

$[[7,8,2][0,5,6][4,3,1]] - f(n) = 25 + 6 = 31$
 $[[7,8,2][4,5,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,0,7][2,5,4][8,3,6]]$

Generated Nodes :

$[[1,7,0][2,5,4][8,3,6]] - \text{Already visited Node!}$
 $[[0,1,7][2,5,4][8,3,6]] - f(n) = 24 + 7 = 31$
 $[[1,5,7][2,0,4][8,3,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 25 - $[[7,3,2][4,0,6][5,8,1]]$

Generated Nodes :

$[[7,0,2][4,3,6][5,8,1]] - \text{Already visited Node!}$
 $[[7,3,2][4,6,0][5,8,1]] - f(n) = 25 + 6 = 31$
 $[[7,3,2][0,4,6][5,8,1]] - f(n) = 25 + 6 = 31$
 $[[7,3,2][4,8,6][5,0,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[1,2,4][8,0,6][3,7,5]]$

Generated Nodes :

$[[1,0,4][8,2,6][3,7,5]] - f(n) = 25 + 6 = 31$
 $[[1,2,4][8,6,0][3,7,5]] - f(n) = 25 + 6 = 31$
 $[[1,2,4][0,8,6][3,7,5]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][8,7,6][3,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,2,4][8,7,6][0,3,5]]$

Generated Nodes :

$[[1,2,4][0,7,6][8,3,5]] - f(n) = 25 + 5 = 30$
 $[[1,2,4][8,7,6][3,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,7,2][6,5,8][3,0,4]]$

Generated Nodes :

$[[1,7,2][6,0,8][3,5,4]] - f(n) = 24 + 7 = 31$
 $[[1,7,2][6,5,8][3,4,0]] - f(n) = 24 + 6 = 30$
 $[[1,7,2][6,5,8][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[0,2,4][5,3,6][1,8,7]]$

Generated Nodes :

$[[2,0,4][5,3,6][1,8,7]] - f(n) = 25 + 6 = 31$
 $[[5,2,4][0,3,6][1,8,7]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[5,2,4][1,3,6][0,8,7]]$

Generated Nodes :

$[[5,2,4][0,3,6][1,8,7]] - \text{Already visited Node!}$
 $[[5,2,4][1,3,6][8,0,7]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[5,7,2][4,0,6][3,8,1]]$

Generated Nodes :

$[[5,0,2][4,7,6][3,8,1]] - \text{Already visited Node!}$
 $[[5,7,2][4,6,0][3,8,1]] - f(n) = 25 + 6 = 31$
 $[[5,7,2][0,4,6][3,8,1]] - f(n) = 25 + 6 = 31$
 $[[5,7,2][4,8,6][3,0,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[0,2,4][5,3,6][1,8,7]]$

Generated Nodes :

$[[2,0,4][5,3,6][1,8,7]] - f(n) = 25 + 6 = 31$
 $[[5,2,4][0,3,6][1,8,7]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[5,2,4][1,3,6][0,8,7]]$

Generated Nodes :

$[[5,2,4][0,3,6][1,8,7]] - \text{Already visited Node!}$
 $[[5,2,4][1,3,6][8,0,7]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[7,2,8][3,5,6][0,4,1]]$

Generated Nodes :

$[[7,2,8][0,5,6][3,4,1]] - f(n) = 25 + 5 = 30$
 $[[7,2,8][3,5,6][4,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[4,2,8][7,5,6][0,3,1]]$

Generated Nodes :

$[[4,2,8][0,5,6][7,3,1]] - f(n) = 25 + 4 = 29$
 $[[4,2,8][7,5,6][3,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[7,2,1][6,5,3][4,8,0]]$

Generated Nodes :

 $[[7,2,1][6,5,0][4,8,3]]$ - Already visited Node!
 $[[7,2,1][6,5,3][4,0,8]]$ - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[0,5,2][4,3,6][7,1,8]]$

Generated Nodes :

 $[[5,0,2][4,3,6][7,1,8]]$ - Already visited Node!
 $[[4,5,2][0,3,6][7,1,8]]$ - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - $[[4,0,2][5,6,1][7,8,3]]$

Generated Nodes :

 $[[4,2,0][5,6,1][7,8,3]]$ - $f(n) = 24 + 5 = 29$
 $[[0,4,2][5,6,1][7,8,3]]$ - Already visited Node!
 $[[4,6,2][5,0,1][7,8,3]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,0,2][6,4,1][7,8,3]]$

Generated Nodes :

 $[[5,2,0][6,4,1][7,8,3]]$ - $f(n) = 24 + 5 = 29$
 $[[0,5,2][6,4,1][7,8,3]]$ - $f(n) = 24 + 6 = 30$
 $[[5,4,2][6,0,1][7,8,3]]$ - Already visited Node!

Node Chosen for Level 24 - $[[5,4,2][6,1,0][7,8,3]]$

Generated Nodes :

 $[[5,4,0][6,1,2][7,8,3]]$ - $f(n) = 24 + 6 = 30$
 $[[5,4,2][6,0,1][7,8,3]]$ - Already visited Node!
 $[[5,4,2][6,1,3][7,8,0]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[4,0,5][3,1,2][7,8,6]]$

Generated Nodes :

 $[[4,5,0][3,1,2][7,8,6]]$ - $f(n) = 24 + 6 = 30$
 $[[0,4,5][3,1,2][7,8,6]]$ - $f(n) = 24 + 6 = 30$
 $[[4,1,5][3,0,2][7,8,6]]$ - Already visited Node!

Node Chosen for Level 24 - $[[4,1,5][3,2,0][7,8,6]]$

Generated Nodes :

 $[[4,1,0][3,2,5][7,8,6]]$ - $f(n) = 24 + 6 = 30$
 $[[4,1,5][3,0,2][7,8,6]]$ - Already visited Node!

$[[4,1,5][3,2,6][7,8,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[8,2,7][1,5,4][3,0,6]]$

Generated Nodes :

$[[8,2,7][1,0,4][3,5,6]] - f(n) = 24 + 7 = 31$
 $[[8,2,7][1,5,4][3,6,0]] - \text{Already visited Node!}$
 $[[8,2,7][1,5,4][0,3,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[6,0,2][5,3,1][7,8,4]]$

Generated Nodes :

$[[6,2,0][5,3,1][7,8,4]] - f(n) = 24 + 5 = 29$
 $[[0,6,2][5,3,1][7,8,4]] - \text{Already visited Node!}$
 $[[6,3,2][5,0,1][7,8,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,0,2][3,6,1][7,8,4]]$

Generated Nodes :

$[[5,2,0][3,6,1][7,8,4]] - f(n) = 24 + 5 = 29$
 $[[0,5,2][3,6,1][7,8,4]] - f(n) = 24 + 6 = 30$
 $[[5,6,2][3,0,1][7,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,6,2][3,1,0][7,8,4]]$

Generated Nodes :

$[[5,6,0][3,1,2][7,8,4]] - f(n) = 24 + 6 = 30$
 $[[5,6,2][3,0,1][7,8,4]] - \text{Already visited Node!}$
 $[[5,6,2][3,1,4][7,8,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,1,2][4,5,0][8,3,6]]$

Generated Nodes :

$[[7,1,0][4,5,2][8,3,6]] - \text{Already visited Node!}$
 $[[7,1,2][4,0,5][8,3,6]] - f(n) = 24 + 7 = 31$
 $[[7,1,2][4,5,6][8,3,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[4,0,1][5,3,2][7,8,6]]$

Generated Nodes :

$[[4,1,0][5,3,2][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[0,4,1][5,3,2][7,8,6]] - \text{Already visited Node!}$
 $[[4,3,1][5,0,2][7,8,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,4,1][3,2,0][7,8,6]]$

Generated Nodes :

[[5,4,0][3,2,1][7,8,6]] - Already visited Node!
[[5,4,1][3,0,2][7,8,6]] - Already visited Node!
[[5,4,1][3,2,6][7,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,3][0,7,1][8,6,4]]

Generated Nodes :

[[0,2,3][5,7,1][8,6,4]] - $f(n) = 24 + 6 = 30$
[[5,2,3][7,0,1][8,6,4]] - Already visited Node!
[[5,2,3][8,7,1][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,3][7,6,1][8,0,4]]

Generated Nodes :

[[5,2,3][7,0,1][8,6,4]] - Already visited Node!
[[5,2,3][7,6,1][8,4,0]] - $f(n) = 24 + 6 = 30$
[[5,2,3][7,6,1][0,8,4]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,3][7,1,4][8,0,6]]

Generated Nodes :

[[5,2,3][7,0,4][8,1,6]] - $f(n) = 24 + 6 = 30$
[[5,2,3][7,1,4][8,6,0]] - Already visited Node!
[[5,2,3][7,1,4][0,8,6]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,0,2][6,1,3][7,8,4]]

Generated Nodes :

[[5,2,0][6,1,3][7,8,4]] - $f(n) = 24 + 5 = 29$
[[0,5,2][6,1,3][7,8,4]] - $f(n) = 24 + 6 = 30$
[[5,1,2][6,0,3][7,8,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,1,2][6,3,0][7,8,4]]

Generated Nodes :

[[5,1,0][6,3,2][7,8,4]] - $f(n) = 24 + 6 = 30$
[[5,1,2][6,0,3][7,8,4]] - Already visited Node!
[[5,1,2][6,3,4][7,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,3][0,7,1][8,6,4]]

Generated Nodes :

[[0,2,3][5,7,1][8,6,4]] - $f(n) = 24 + 6 = 30$
[[5,2,3][7,0,1][8,6,4]] - Already visited Node!

$[[5,2,3][8,7,1][0,6,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,3][7,6,1][8,0,4]]$

Generated Nodes :

$[[5,2,3][7,0,1][8,6,4]] - \text{Already visited Node!}$

$[[5,2,3][7,6,1][8,4,0]] - f(n) = 24 + 6 = 30$

$[[5,2,3][7,6,1][0,8,4]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,2,3][7,1,4][8,0,6]]$

Generated Nodes :

$[[5,2,3][7,0,4][8,1,6]] - f(n) = 24 + 6 = 30$

$[[5,2,3][7,1,4][8,6,0]] - \text{Already visited Node!}$

$[[5,2,3][7,1,4][0,8,6]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - $[[1,5,0][4,2,8][7,3,6]]$

Generated Nodes :

$[[1,0,5][4,2,8][7,3,6]] - f(n) = 25 + 5 = 30$

$[[1,5,8][4,2,0][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,5,8][4,3,2][7,6,0]]$

Generated Nodes :

$[[1,5,8][4,3,0][7,6,2]] - f(n) = 25 + 5 = 30$

$[[1,5,8][4,3,2][7,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,2,8][7,5,4][3,6,0]]$

Generated Nodes :

$[[1,2,8][7,5,0][3,6,4]] - \text{Already visited Node!}$

$[[1,2,8][7,5,4][3,0,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[8,5,0][4,2,6][7,3,1]]$

Generated Nodes :

$[[8,0,5][4,2,6][7,3,1]] - \text{Already visited Node!}$

$[[8,5,6][4,2,0][7,3,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[8,2,7][3,5,6][0,1,4]]$

Generated Nodes :

$[[8,2,7][0,5,6][3,1,4]] - f(n) = 25 + 5 = 30$

$[[8,2,7][3,5,6][1,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 26 – [[1,8,2][4,5,0][7,3,6]]

Generated Nodes :

[[1,8,0][4,5,2][7,3,6]] – Already visited Node!
[[1,8,2][4,0,5][7,3,6]] – $f(n) = 26 + 5 = 31$
[[1,8,2][4,5,6][7,3,0]] – $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 – [[1,5,2][4,3,0][7,8,6]]

Generated Nodes :

[[1,5,0][4,3,2][7,8,6]] – Already visited Node!
[[1,5,2][4,0,3][7,8,6]] – $f(n) = 26 + 4 = 30$
[[1,5,2][4,3,6][7,8,0]] – $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 – [[1,3,5][4,2,0][7,8,6]]

Generated Nodes :

[[1,3,0][4,2,5][7,8,6]] – $f(n) = 26 + 4 = 30$
[[1,3,5][4,0,2][7,8,6]] – Already visited Node!
[[1,3,5][4,2,6][7,8,0]] – $f(n) = 26 + 3 = 29$

Node Chosen for Level 24 – [[7,2,6][3,4,0][1,8,5]]

Generated Nodes :

[[7,2,0][3,4,6][1,8,5]] – $f(n) = 24 + 5 = 29$
[[7,2,6][3,0,4][1,8,5]] – $f(n) = 24 + 6 = 30$
[[7,2,6][3,4,5][1,8,0]] – Already visited Node!

Node Chosen for Level 24 – [[7,2,6][0,4,5][1,8,3]]

Generated Nodes :

[[0,2,6][7,4,5][1,8,3]] – $f(n) = 24 + 6 = 30$
[[7,2,6][4,0,5][1,8,3]] – Already visited Node!
[[7,2,6][1,4,5][0,8,3]] – Already visited Node!

Node Chosen for Level 23 – [[0,7,2][3,5,1][4,6,8]]

Generated Nodes :

[[7,0,2][3,5,1][4,6,8]] – Already visited Node!
[[3,7,2][0,5,1][4,6,8]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[2,8,6][7,5,1][3,4,0]]

Generated Nodes :

[[2,8,6][7,5,0][3,4,1]] - Already visited Node!
[[2,8,6][7,5,1][3,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,8,0][7,5,1][3,6,4]]

Generated Nodes :

[[2,0,8][7,5,1][3,6,4]] - $f(n) = 23 + 7 = 30$
[[2,8,1][7,5,0][3,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[2,8,1][7,5,4][3,6,0]]

Generated Nodes :

[[2,8,1][7,5,0][3,6,4]] - Already visited Node!
[[2,8,1][7,5,4][3,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,1,0][7,5,4][8,3,6]]

Generated Nodes :

[[2,0,1][7,5,4][8,3,6]] - Already visited Node!
[[2,1,4][7,5,0][8,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,2][4,8,6][3,5,1]]

Generated Nodes :

[[7,2,0][4,8,6][3,5,1]] - $f(n) = 24 + 5 = 29$
[[0,7,2][4,8,6][3,5,1]] - Already visited Node!
[[7,8,2][4,0,6][3,5,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,6][0,3,1][5,8,4]]

Generated Nodes :

[[0,2,6][7,3,1][5,8,4]] - $f(n) = 24 + 6 = 30$
[[7,2,6][3,0,1][5,8,4]] - Already visited Node!
[[7,2,6][5,3,1][0,8,4]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][5,4,6][8,0,3]]

Generated Nodes :

[[7,2,1][5,0,6][8,4,3]] - $f(n) = 24 + 6 = 30$
[[7,2,1][5,4,6][8,3,0]] - Already visited Node!
[[7,2,1][5,4,6][0,8,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,2,1][0,3,4][5,8,6]]

Generated Nodes :

$[[0,2,1][7,3,4][5,8,6]] - f(n) = 24 + 6 = 30$
 $[[7,2,1][3,0,4][5,8,6]] - \text{Already visited Node!}$
 $[[7,2,1][5,3,4][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,8,0][2,5,7][3,1,6]]$

Generated Nodes :

$[[4,0,8][2,5,7][3,1,6]] - f(n) = 23 + 7 = 30$
 $[[4,8,7][2,5,0][3,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,6,0][8,5,4][3,2,1]]$

Generated Nodes :

$[[7,0,6][8,5,4][3,2,1]] - \text{Already visited Node!}$
 $[[7,6,4][8,5,0][3,2,1]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[0,7,6][8,5,4][3,2,1]]$

Generated Nodes :

$[[7,0,6][8,5,4][3,2,1]] - \text{Already visited Node!}$
 $[[8,7,6][0,5,4][3,2,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,7,4][2,5,1][8,3,6]]$

Generated Nodes :

$[[7,0,4][2,5,1][8,3,6]] - \text{Already visited Node!}$
 $[[2,7,4][0,5,1][8,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[2,7,4][8,5,1][0,3,6]]$

Generated Nodes :

$[[2,7,4][0,5,1][8,3,6]] - \text{Already visited Node!}$
 $[[2,7,4][8,5,1][3,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[1,2,5][8,7,0][3,6,4]]$

Generated Nodes :

$[[1,2,0][8,7,5][3,6,4]] - \text{Already visited Node!}$
 $[[1,2,5][8,0,7][3,6,4]] - f(n) = 24 + 6 = 30$
 $[[1,2,5][8,7,4][3,6,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,2,8][3,4,6][1,0,5]]$

Generated Nodes :

$[[7,2,8][3,0,6][1,4,5]] - \text{Already visited Node!}$

[[7,2,8][3,4,6][1,5,0]] - Already visited Node!
[[7,2,8][3,4,6][0,1,5]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[0,7,2][3,5,4][6,1,8]]

Generated Nodes :

[[7,0,2][3,5,4][6,1,8]] - Already visited Node!
[[3,7,2][0,5,4][6,1,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[3,2,1][5,7,0][6,8,4]]

Generated Nodes :

[[3,2,0][5,7,1][6,8,4]] - Already visited Node!
[[3,2,1][5,0,7][6,8,4]] - $f(n) = 24 + 6 = 30$
[[3,2,1][5,7,4][6,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,4][1,3,0][5,8,6]]

Generated Nodes :

[[7,2,0][1,3,4][5,8,6]] - Already visited Node!
[[7,2,4][1,0,3][5,8,6]] - $f(n) = 24 + 6 = 30$
[[7,2,4][1,3,6][5,8,0]] - Already visited Node!

Node Chosen for Level 24 - [[5,0,2][4,8,6][1,7,3]]

Generated Nodes :

[[5,2,0][4,8,6][1,7,3]] - $f(n) = 24 + 5 = 29$
[[0,5,2][4,8,6][1,7,3]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,0,6][1,7,3]] - Already visited Node!

Node Chosen for Level 24 - [[5,8,2][4,7,6][1,0,3]]

Generated Nodes :

[[5,8,2][4,0,6][1,7,3]] - Already visited Node!
[[5,8,2][4,7,6][1,3,0]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,7,6][0,1,3]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[0,3,4][2,5,1][7,8,6]]

Generated Nodes :

[[3,0,4][2,5,1][7,8,6]] - $f(n) = 25 + 5 = 30$
[[2,3,4][0,5,1][7,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,5,2][7,4,0][3,8,6]]

Generated Nodes :

[[1,5,0][7,4,2][3,8,6]] - $f(n) = 24 + 6 = 30$
[[1,5,2][7,0,4][3,8,6]] - Already visited Node!
[[1,5,2][7,4,6][3,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,5,2][0,7,4][3,8,6]]

Generated Nodes :

[[0,5,2][1,7,4][3,8,6]] - $f(n) = 24 + 7 = 31$
[[1,5,2][7,0,4][3,8,6]] - Already visited Node!
[[1,5,2][3,7,4][0,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[0,2,6][8,5,4][7,3,1]]

Generated Nodes :

[[2,0,6][8,5,4][7,3,1]] - $f(n) = 25 + 6 = 31$
[[8,2,6][0,5,4][7,3,1]] - Already visited Node!

Node Chosen for Level 25 - [[0,2,4][3,5,6][1,7,8]]

Generated Nodes :

[[2,0,4][3,5,6][1,7,8]] - $f(n) = 25 + 6 = 31$
[[3,2,4][0,5,6][1,7,8]] - Already visited Node!

Node Chosen for Level 25 - [[3,2,4][1,5,6][0,7,8]]

Generated Nodes :

[[3,2,4][0,5,6][1,7,8]] - Already visited Node!
[[3,2,4][1,5,6][7,0,8]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - [[0,7,2][4,5,1][3,8,6]]

Generated Nodes :

[[7,0,2][4,5,1][3,8,6]] - Already visited Node!
[[4,7,2][0,5,1][3,8,6]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[1,7,2][0,6,3][5,8,4]]

Generated Nodes :

[[0,7,2][1,6,3][5,8,4]] - $f(n) = 24 + 7 = 31$
[[1,7,2][6,0,3][5,8,4]] - $f(n) = 24 + 6 = 30$
[[1,7,2][5,6,3][0,8,4]] - Already visited Node!

Node Chosen for Level 26 - [[3,2,4][1,5,0][7,8,6]]

Generated Nodes :

[[3,2,0][1,5,4][7,8,6]] - Already visited Node!
[[3,2,4][1,0,5][7,8,6]] - $f(n) = 26 + 5 = 31$
[[3,2,4][1,5,6][7,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 23 - [[1,3,2][7,0,4][8,5,6]]

Generated Nodes :

[[1,0,2][7,3,4][8,5,6]] - $f(n) = 23 + 7 = 30$
[[1,3,2][7,4,0][8,5,6]] - $f(n) = 23 + 7 = 30$
[[1,3,2][0,7,4][8,5,6]] - Already visited Node!
[[1,3,2][7,5,4][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,3,2][8,7,4][0,5,6]]

Generated Nodes :

[[1,3,2][0,7,4][8,5,6]] - Already visited Node!
[[1,3,2][8,7,4][5,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[7,2,4][0,6,3][1,8,5]]

Generated Nodes :

[[0,2,4][7,6,3][1,8,5]] - $f(n) = 24 + 6 = 30$
[[7,2,4][6,0,3][1,8,5]] - $f(n) = 24 + 6 = 30$
[[7,2,4][1,6,3][0,8,5]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,5][0,8,6][4,3,1]]

Generated Nodes :

[[0,2,5][7,8,6][4,3,1]] - $f(n) = 24 + 6 = 30$
[[7,2,5][8,0,6][4,3,1]] - Already visited Node!
[[7,2,5][4,8,6][0,3,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,2,5][8,3,6][4,0,1]]

Generated Nodes :

[[7,2,5][8,0,6][4,3,1]] - Already visited Node!
[[7,2,5][8,3,6][4,1,0]] - $f(n) = 24 + 6 = 30$
[[7,2,5][8,3,6][0,4,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,4,8][5,1,6][7,0,3]]

Generated Nodes :

[[2,4,8][5,0,6][7,1,3]] - $f(n) = 24 + 6 = 30$
[[2,4,8][5,1,6][7,3,0]] - Already visited Node!
[[2,4,8][5,1,6][0,7,3]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[2,1,4][5,8,6][7,0,3]]

Generated Nodes :

[[2,1,4][5,0,6][7,8,3]] – Already visited Node!
[[2,1,4][5,8,6][7,3,0]] – Already visited Node!
[[2,1,4][5,8,6][0,7,3]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[5,4,8][1,2,6][7,0,3]]

Generated Nodes :

[[5,4,8][1,0,6][7,2,3]] – $f(n) = 24 + 6 = 30$
[[5,4,8][1,2,6][7,3,0]] – Already visited Node!
[[5,4,8][1,2,6][0,7,3]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[3,0,2][4,7,6][5,1,8]]

Generated Nodes :

[[3,2,0][4,7,6][5,1,8]] – $f(n) = 24 + 5 = 29$
[[0,3,2][4,7,6][5,1,8]] – $f(n) = 24 + 6 = 30$
[[3,7,2][4,0,6][5,1,8]] – Already visited Node!

Node Chosen for Level 24 – [[3,7,2][4,1,6][5,0,8]]

Generated Nodes :

[[3,7,2][4,0,6][5,1,8]] – Already visited Node!
[[3,7,2][4,1,6][5,8,0]] – $f(n) = 24 + 5 = 29$
[[3,7,2][4,1,6][0,5,8]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[5,2,1][7,6,0][4,8,3]]

Generated Nodes :

[[5,2,0][7,6,1][4,8,3]] – Already visited Node!
[[5,2,1][7,0,6][4,8,3]] – $f(n) = 24 + 5 = 29$
[[5,2,1][7,6,3][4,8,0]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 – [[8,7,6][2,5,1][3,4,0]]

Generated Nodes :

[[8,7,6][2,5,0][3,4,1]] – Already visited Node!
[[8,7,6][2,5,1][3,0,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,6,7][8,5,2][3,4,1]]

Generated Nodes :

$[6,0,7][8,5,2][3,4,1]$ - $f(n) = 23 + 7 = 30$
 $[8,6,7][0,5,2][3,4,1]$ - Already visited Node!

Node Chosen for Level 23 - $[8,6,7][3,5,2][0,4,1]$

Generated Nodes :

$[8,6,7][0,5,2][3,4,1]$ - Already visited Node!
 $[8,6,7][3,5,2][4,0,1]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[8,7,0][2,5,1][3,6,4]$

Generated Nodes :

$[8,0,7][2,5,1][3,6,4]$ - $f(n) = 23 + 7 = 30$
 $[8,7,1][2,5,0][3,6,4]$ - Already visited Node!

Node Chosen for Level 23 - $[8,7,1][2,5,4][3,6,0]$

Generated Nodes :

$[8,7,1][2,5,0][3,6,4]$ - Already visited Node!
 $[8,7,1][2,5,4][3,0,6]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[7,2,6][3,1,0][5,8,4]$

Generated Nodes :

$[7,2,0][3,1,6][5,8,4]$ - $f(n) = 24 + 5 = 29$
 $[7,2,6][3,0,1][5,8,4]$ - Already visited Node!
 $[7,2,6][3,1,4][5,8,0]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[7,2,6][0,3,1][5,8,4]$

Generated Nodes :

$[0,2,6][7,3,1][5,8,4]$ - $f(n) = 24 + 6 = 30$
 $[7,2,6][3,0,1][5,8,4]$ - Already visited Node!
 $[7,2,6][5,3,1][0,8,4]$ - Already visited Node!

Node Chosen for Level 23 - $[0,4,8][2,5,7][3,1,6]$

Generated Nodes :

$[4,0,8][2,5,7][3,1,6]$ - $f(n) = 23 + 7 = 30$
 $[2,4,8][0,5,7][3,1,6]$ - Already visited Node!

Node Chosen for Level 23 - $[2,4,8][3,5,7][0,1,6]$

Generated Nodes :

$[2,4,8][0,5,7][3,1,6]$ - Already visited Node!

$[[2,4,8][3,5,7][1,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,5,3][7,8,2][1,6,4]]$

Generated Nodes :

$[[5,0,3][7,8,2][1,6,4]] - \text{Already visited Node!}$

$[[7,5,3][0,8,2][1,6,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,8,3][7,0,2][1,6,4]]$

Generated Nodes :

$[[5,0,3][7,8,2][1,6,4]] - \text{Already visited Node!}$

$[[5,8,3][7,2,0][1,6,4]] - f(n) = 23 + 7 = 30$

$[[5,8,3][0,7,2][1,6,4]] - f(n) = 23 + 7 = 30$

$[[5,8,3][7,6,2][1,0,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[3,8,2][4,7,6][5,0,1]]$

Generated Nodes :

$[[3,8,2][4,0,6][5,7,1]] - f(n) = 24 + 6 = 30$

$[[3,8,2][4,7,6][5,1,0]] - f(n) = 24 + 6 = 30$

$[[3,8,2][4,7,6][0,5,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,2,1][3,4,0][5,8,6]]$

Generated Nodes :

$[[7,2,0][3,4,1][5,8,6]] - f(n) = 24 + 6 = 30$

$[[7,2,1][3,0,4][5,8,6]] - \text{Already visited Node!}$

$[[7,2,1][3,4,6][5,8,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[7,2,1][0,3,4][5,8,6]]$

Generated Nodes :

$[[0,2,1][7,3,4][5,8,6]] - f(n) = 24 + 6 = 30$

$[[7,2,1][3,0,4][5,8,6]] - \text{Already visited Node!}$

$[[7,2,1][5,3,4][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[1,8,5][7,0,2][4,3,6]]$

Generated Nodes :

$[[1,0,5][7,8,2][4,3,6]] - f(n) = 23 + 7 = 30$

$[[1,8,5][7,2,0][4,3,6]] - f(n) = 23 + 7 = 30$

$[[1,8,5][0,7,2][4,3,6]] - \text{Already visited Node!}$

$[[1,8,5][7,3,2][4,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,6,0][8,5,4][3,2,1]]$

Generated Nodes :

[[7,0,6][8,5,4][3,2,1]] - Already visited Node!
[[7,6,4][8,5,0][3,2,1]] - Already visited Node!

Node Chosen for Level 23 - [[7,6,4][8,5,1][3,2,0]]

Generated Nodes :

[[7,6,4][8,5,0][3,2,1]] - Already visited Node!
[[7,6,4][8,5,1][3,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,4,0][2,5,1][8,3,6]]

Generated Nodes :

[[7,0,4][2,5,1][8,3,6]] - Already visited Node!
[[7,4,1][2,5,0][8,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,4][2,5,1][8,3,6]]

Generated Nodes :

[[7,0,4][2,5,1][8,3,6]] - Already visited Node!
[[2,7,4][0,5,1][8,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[1,7,5][6,0,2][8,4,3]]

Generated Nodes :

[[1,0,5][6,7,2][8,4,3]] - $f(n) = 23 + 7 = 30$
[[1,7,5][6,2,0][8,4,3]] - $f(n) = 23 + 7 = 30$
[[1,7,5][0,6,2][8,4,3]] - Already visited Node!
[[1,7,5][6,4,2][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,7,5][8,6,2][0,4,3]]

Generated Nodes :

[[1,7,5][0,6,2][8,4,3]] - Already visited Node!
[[1,7,5][8,6,2][4,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - [[8,4,0][2,5,6][7,3,1]]

Generated Nodes :

[[8,0,4][2,5,6][7,3,1]] - Already visited Node!
[[8,4,6][2,5,0][7,3,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[7,2,8][0,3,6][1,4,5]]

Generated Nodes :

[[0,2,8][7,3,6][1,4,5]] - $f(n) = 24 + 6 = 30$
[[7,2,8][3,0,6][1,4,5]] - Already visited Node!
[[7,2,8][1,3,6][0,4,5]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,8][3,4,6][1,0,5]]

Generated Nodes :

[[7,2,8][3,0,6][1,4,5]] - Already visited Node!
[[7,2,8][3,4,6][1,5,0]] - Already visited Node!
[[7,2,8][3,4,6][0,1,5]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[0,1,7][8,5,2][3,6,4]]

Generated Nodes :

[[1,0,7][8,5,2][3,6,4]] - Already visited Node!
[[8,1,7][0,5,2][3,6,4]] - Already visited Node!

Node Chosen for Level 23 - [[8,1,7][3,5,2][0,6,4]]

Generated Nodes :

[[8,1,7][0,5,2][3,6,4]] - Already visited Node!
[[8,1,7][3,5,2][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[7,3,5][4,2,6][8,0,1]]

Generated Nodes :

[[7,3,5][4,0,6][8,2,1]] - $f(n) = 24 + 6 = 30$
[[7,3,5][4,2,6][8,1,0]] - Already visited Node!
[[7,3,5][4,2,6][0,8,1]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 23 - [[7,4,0][3,5,8][1,2,6]]

Generated Nodes :

[[7,0,4][3,5,8][1,2,6]] - Already visited Node!
[[7,4,8][3,5,0][1,2,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,4][3,5,8][1,2,6]]

Generated Nodes :

[[7,0,4][3,5,8][1,2,6]] - Already visited Node!
[[3,7,4][0,5,8][1,2,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[5,0,7][4,3,2][1,8,6]]

Generated Nodes :

[[5,7,0][4,3,2][1,8,6]] - $f(n) = 24 + 6 = 30$
[[0,5,7][4,3,2][1,8,6]] - $f(n) = 24 + 6 = 30$
[[5,3,7][4,0,2][1,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[5,3,7][4,2,0][1,8,6]]

Generated Nodes :

[[5,3,0][4,2,7][1,8,6]] - $f(n) = 24 + 6 = 30$
[[5,3,7][4,0,2][1,8,6]] - Already visited Node!
[[5,3,7][4,2,6][1,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,2,4][0,6,3][1,8,5]]

Generated Nodes :

[[0,2,4][7,6,3][1,8,5]] - $f(n) = 24 + 6 = 30$
[[7,2,4][6,0,3][1,8,5]] - $f(n) = 24 + 6 = 30$
[[7,2,4][1,6,3][0,8,5]] - Already visited Node!

Node Chosen for Level 24 - [[1,4,7][5,2,6][8,0,3]]

Generated Nodes :

[[1,4,7][5,0,6][8,2,3]] - $f(n) = 24 + 6 = 30$
[[1,4,7][5,2,6][8,3,0]] - Already visited Node!
[[1,4,7][5,2,6][0,8,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,4,7][0,3,2][5,8,6]]

Generated Nodes :

[[0,4,7][1,3,2][5,8,6]] - $f(n) = 24 + 7 = 31$
[[1,4,7][3,0,2][5,8,6]] - $f(n) = 24 + 6 = 30$
[[1,4,7][5,3,2][0,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,2][0,6,3][5,8,4]]

Generated Nodes :

[[0,7,2][1,6,3][5,8,4]] - $f(n) = 24 + 7 = 31$
[[1,7,2][6,0,3][5,8,4]] - $f(n) = 24 + 6 = 30$
[[1,7,2][5,6,3][0,8,4]] - Already visited Node!

Node Chosen for Level 23 - [[0,8,2][3,5,7][1,4,6]]

Generated Nodes :

[[8,0,2][3,5,7][1,4,6]] - Already visited Node!
[[3,8,2][0,5,7][1,4,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,4,0][3,5,7][1,6,2]]$

Generated Nodes :

$[[8,0,4][3,5,7][1,6,2]] - f(n) = 23 + 7 = 30$
 $[[8,4,7][3,5,0][1,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[8,4,7][3,5,2][1,6,0]]$

Generated Nodes :

$[[8,4,7][3,5,0][1,6,2]] - \text{Already visited Node!}$
 $[[8,4,7][3,5,2][1,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,7,0][3,5,4][1,2,6]]$

Generated Nodes :

$[[8,0,7][3,5,4][1,2,6]] - f(n) = 23 + 7 = 30$
 $[[8,7,4][3,5,0][1,2,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[4,5,2][1,0,8][7,3,6]]$

Generated Nodes :

$[[4,0,2][1,5,8][7,3,6]] - f(n) = 23 + 6 = 29$
 $[[4,5,2][1,8,0][7,3,6]] - f(n) = 23 + 7 = 30$
 $[[4,5,2][0,1,8][7,3,6]] - \text{Already visited Node!}$
 $[[4,5,2][1,3,8][7,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,8,0][3,5,4][1,6,2]]$

Generated Nodes :

$[[7,0,8][3,5,4][1,6,2]] - f(n) = 23 + 7 = 30$
 $[[7,8,4][3,5,0][1,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,8,4][3,5,2][1,6,0]]$

Generated Nodes :

$[[7,8,4][3,5,0][1,6,2]] - \text{Already visited Node!}$
 $[[7,8,4][3,5,2][1,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,7,0][1,5,4][3,6,2]]$

Generated Nodes :

$[[8,0,7][1,5,4][3,6,2]] - f(n) = 23 + 7 = 30$
 $[[8,7,4][1,5,0][3,6,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 – [[8,7,4][1,5,2][3,6,0]]

Generated Nodes :

[[8,7,4][1,5,0][3,6,2]] – Already visited Node!
[[8,7,4][1,5,2][3,0,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,4,0][7,8,5][3,6,2]]

Generated Nodes :

[[1,0,4][7,8,5][3,6,2]] – Already visited Node!
[[1,4,5][7,8,0][3,6,2]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,8,4][7,0,5][3,6,2]]

Generated Nodes :

[[1,0,4][7,8,5][3,6,2]] – Already visited Node!
[[1,8,4][7,5,0][3,6,2]] – $f(n) = 23 + 6 = 29$
[[1,8,4][0,7,5][3,6,2]] – $f(n) = 23 + 7 = 30$
[[1,8,4][7,6,5][3,0,2]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,7,1][8,5,4][3,6,2]]

Generated Nodes :

[[7,0,1][8,5,4][3,6,2]] – Already visited Node!
[[8,7,1][0,5,4][3,6,2]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,4,2][7,5,1][8,3,6]]

Generated Nodes :

[[4,0,2][7,5,1][8,3,6]] – Already visited Node!
[[7,4,2][0,5,1][8,3,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,8,0][3,5,2][1,4,6]]

Generated Nodes :

[[7,0,8][3,5,2][1,4,6]] – Already visited Node!
[[7,8,2][3,5,0][1,4,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,7,8][3,5,2][1,4,6]]

Generated Nodes :

[[7,0,8][3,5,2][1,4,6]] – Already visited Node!
[[3,7,8][0,5,2][1,4,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,4,7][8,5,2][3,1,6]]

Generated Nodes :

[[4,0,7][8,5,2][3,1,6]] - $f(n) = 23 + 7 = 30$
[[8,4,7][0,5,2][3,1,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,4,7][3,5,2][0,1,6]]

Generated Nodes :

[[8,4,7][0,5,2][3,1,6]] - Already visited Node!
[[8,4,7][3,5,2][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,2][8,5,4][1,7,6]]

Generated Nodes :

[[3,0,2][8,5,4][1,7,6]] - Already visited Node!
[[8,3,2][0,5,4][1,7,6]] - Already visited Node!

Node Chosen for Level 23 - [[3,5,2][1,8,4][7,6,0]]

Generated Nodes :

[[3,5,2][1,8,0][7,6,4]] - $f(n) = 23 + 7 = 30$
[[3,5,2][1,8,4][7,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[0,3,2][8,5,4][1,7,6]]

Generated Nodes :

[[3,0,2][8,5,4][1,7,6]] - Already visited Node!
[[8,3,2][0,5,4][1,7,6]] - Already visited Node!

Node Chosen for Level 23 - [[8,3,2][1,5,4][0,7,6]]

Generated Nodes :

[[8,3,2][0,5,4][1,7,6]] - Already visited Node!
[[8,3,2][1,5,4][7,0,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,8,0][1,5,2][3,6,4]]

Generated Nodes :

[[7,0,8][1,5,2][3,6,4]] - Already visited Node!
[[7,8,2][1,5,0][3,6,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,8][1,5,2][3,6,4]]

Generated Nodes :

[[7,0,8][1,5,2][3,6,4]] - Already visited Node!
[[1,7,8][0,5,2][3,6,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,8,0][5,7,2][3,6,4]]

Generated Nodes :

[[1,0,8][5,7,2][3,6,4]] - Already visited Node!
[[1,8,2][5,7,0][3,6,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,7,8][5,0,2][3,6,4]]

Generated Nodes :

[[1,0,8][5,7,2][3,6,4]] - Already visited Node!
[[1,7,8][5,2,0][3,6,4]] - $f(n) = 23 + 7 = 30$
[[1,7,8][0,5,2][3,6,4]] - $f(n) = 23 + 6 = 29$
[[1,7,8][5,6,2][3,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,1,8][5,6,2][7,3,4]]

Generated Nodes :

[[1,0,8][5,6,2][7,3,4]] - $f(n) = 23 + 6 = 29$
[[5,1,8][0,6,2][7,3,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,1,8][6,0,2][7,3,4]]

Generated Nodes :

[[5,0,8][6,1,2][7,3,4]] - $f(n) = 23 + 7 = 30$
[[5,1,8][6,2,0][7,3,4]] - $f(n) = 23 + 7 = 30$
[[5,1,8][0,6,2][7,3,4]] - Already visited Node!
[[5,1,8][6,3,2][7,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,5,3][7,8,2][1,6,4]]

Generated Nodes :

[[5,0,3][7,8,2][1,6,4]] - Already visited Node!
[[7,5,3][0,8,2][1,6,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,3][7,0,2][1,6,4]]

Generated Nodes :

[[5,0,3][7,8,2][1,6,4]] - Already visited Node!
[[5,8,3][7,2,0][1,6,4]] - $f(n) = 23 + 7 = 30$
[[5,8,3][0,7,2][1,6,4]] - $f(n) = 23 + 7 = 30$
[[5,8,3][7,6,2][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,3,2][5,6,8][7,1,4]]

Generated Nodes :

[[3,0,2][5,6,8][7,1,4]] - $f(n) = 23 + 7 = 30$
[[5,3,2][0,6,8][7,1,4]] - Already visited Node!

Node Chosen for Level 23 - [[5,3,2][6,0,8][7,1,4]]

Generated Nodes :

[[5,0,2][6,3,8][7,1,4]] - $f(n) = 23 + 7 = 30$
[[5,3,2][6,8,0][7,1,4]] - $f(n) = 23 + 7 = 30$
[[5,3,2][0,6,8][7,1,4]] - Already visited Node!
[[5,3,2][6,1,8][7,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,2][1,5,3][6,4,8]]

Generated Nodes :

[[7,0,2][1,5,3][6,4,8]] - Already visited Node!
[[1,7,2][0,5,3][6,4,8]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[0,8,2][1,5,7][3,6,4]]

Generated Nodes :

[[8,0,2][1,5,7][3,6,4]] - Already visited Node!
[[1,8,2][0,5,7][3,6,4]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[1,8,7][2,0,5][3,6,4]]

Generated Nodes :

[[1,0,7][2,8,5][3,6,4]] - $f(n) = 23 + 7 = 30$
[[1,8,7][2,5,0][3,6,4]] - $f(n) = 23 + 6 = 29$
[[1,8,7][0,2,5][3,6,4]] - Already visited Node!
[[1,8,7][2,6,5][3,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,8,7][3,2,5][0,6,4]]

Generated Nodes :

[[1,8,7][0,2,5][3,6,4]] - Already visited Node!
[[1,8,7][3,2,5][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,0][2,5,1][3,6,4]]

Generated Nodes :

[[8,0,7][2,5,1][3,6,4]] - $f(n) = 23 + 7 = 30$
[[8,7,1][2,5,0][3,6,4]] - Already visited Node!

Node Chosen for Level 23 – [[8,7,1][2,5,4][3,6,0]]

Generated Nodes :

[[8,7,1][2,5,0][3,6,4]] – Already visited Node!
[[8,7,1][2,5,4][3,0,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,5,0][7,8,4][3,2,6]]

Generated Nodes :

[[1,0,5][7,8,4][3,2,6]] – Already visited Node!
[[1,5,4][7,8,0][3,2,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[1,8,5][7,0,4][3,2,6]]

Generated Nodes :

[[1,0,5][7,8,4][3,2,6]] – Already visited Node!
[[1,8,5][7,4,0][3,2,6]] – $f(n) = 23 + 7 = 30$
[[1,8,5][0,7,4][3,2,6]] – $f(n) = 23 + 7 = 30$
[[1,8,5][7,2,4][3,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[1,5,0][7,2,4][8,3,6]]

Generated Nodes :

[[1,0,5][7,2,4][8,3,6]] – Already visited Node!
[[1,5,4][7,2,0][8,3,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,6,0][8,5,1][3,4,2]]

Generated Nodes :

[[7,0,6][8,5,1][3,4,2]] – $f(n) = 23 + 7 = 30$
[[7,6,1][8,5,0][3,4,2]] – Already visited Node!

Node Chosen for Level 23 – [[7,6,1][8,5,2][3,4,0]]

Generated Nodes :

[[7,6,1][8,5,0][3,4,2]] – Already visited Node!
[[7,6,1][8,5,2][3,0,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,7,2][6,5,4][8,1,3]]

Generated Nodes :

[[7,0,2][6,5,4][8,1,3]] – Already visited Node!
[[6,7,2][0,5,4][8,1,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[0,7,2][6,5,3][8,4,1]]

Generated Nodes :

[[7,0,2][6,5,3][8,4,1]] - Already visited Node!
[[6,7,2][0,5,3][8,4,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[1,8,2][5,0,4][3,7,6]]

Generated Nodes :

[[1,0,2][5,8,4][3,7,6]] - Already visited Node!
[[1,8,2][5,4,0][3,7,6]] - $f(n) = 23 + 7 = 30$
[[1,8,2][0,5,4][3,7,6]] - $f(n) = 23 + 6 = 29$
[[1,8,2][5,7,4][3,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,7,2][8,5,3][6,1,4]]

Generated Nodes :

[[7,0,2][8,5,3][6,1,4]] - Already visited Node!
[[8,7,2][0,5,3][6,1,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[5,2,4][3,6,0][1,8,7]]

Generated Nodes :

[[5,2,0][3,6,4][1,8,7]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,6][1,8,7]] - Already visited Node!
[[5,2,4][3,6,7][1,8,0]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,4][3,7,0][6,8,1]]

Generated Nodes :

[[5,2,0][3,7,4][6,8,1]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,0,7][6,8,1]] - $f(n) = 24 + 6 = 30$
[[5,2,4][3,7,1][6,8,0]] - Already visited Node!

Node Chosen for Level 24 - [[2,0,5][4,7,6][8,3,1]]

Generated Nodes :

[[2,5,0][4,7,6][8,3,1]] - $f(n) = 24 + 6 = 30$
[[0,2,5][4,7,6][8,3,1]] - Already visited Node!
[[2,7,5][4,0,6][8,3,1]] - Already visited Node!

Node Chosen for Level 24 - [[2,7,5][4,3,6][8,0,1]]

Generated Nodes :

[[2,7,5][4,0,6][8,3,1]] - Already visited Node!
[[2,7,5][4,3,6][8,1,0]] - $f(n) = 24 + 6 = 30$

$[[2,7,5][4,3,6][0,8,1]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,2,4][8,1,6][3,0,7]]$

Generated Nodes :

$[[5,2,4][8,0,6][3,1,7]] - f(n) = 24 + 6 = 30$
 $[[5,2,4][8,1,6][3,7,0]] - \text{Already visited Node!}$
 $[[5,2,4][8,1,6][0,3,7]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,4,8][1,2,6][7,0,3]]$

Generated Nodes :

$[[5,4,8][1,0,6][7,2,3]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][1,2,6][7,3,0]] - \text{Already visited Node!}$
 $[[5,4,8][1,2,6][0,7,3]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[5,2,1][0,7,6][3,4,8]]$

Generated Nodes :

$[[0,2,1][5,7,6][3,4,8]] - f(n) = 24 + 6 = 30$
 $[[5,2,1][7,0,6][3,4,8]] - \text{Already visited Node!}$
 $[[5,2,1][3,7,6][0,4,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,1][7,4,6][3,0,8]]$

Generated Nodes :

$[[5,2,1][7,0,6][3,4,8]] - \text{Already visited Node!}$
 $[[5,2,1][7,4,6][3,8,0]] - \text{Already visited Node!}$
 $[[5,2,1][7,4,6][0,3,8]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,5,2][7,4,0][3,8,6]]$

Generated Nodes :

$[[1,5,0][7,4,2][3,8,6]] - f(n) = 24 + 6 = 30$
 $[[1,5,2][7,0,4][3,8,6]] - \text{Already visited Node!}$
 $[[1,5,2][7,4,6][3,8,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[1,5,2][0,7,4][3,8,6]]$

Generated Nodes :

$[[0,5,2][1,7,4][3,8,6]] - f(n) = 24 + 7 = 31$
 $[[1,5,2][7,0,4][3,8,6]] - \text{Already visited Node!}$
 $[[1,5,2][3,7,4][0,8,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,2,8][0,7,5][3,6,4]]$

Generated Nodes :

[[0,2,8][1,7,5][3,6,4]] - $f(n) = 24 + 7 = 31$
[[1,2,8][7,0,5][3,6,4]] - Already visited Node!
[[1,2,8][3,7,5][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,2,8][7,6,5][3,0,4]]

Generated Nodes :

[[1,2,8][7,0,5][3,6,4]] - Already visited Node!
[[1,2,8][7,6,5][3,4,0]] - $f(n) = 24 + 6 = 30$
[[1,2,8][7,6,5][0,3,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,5][0,7,6][3,4,2]]

Generated Nodes :

[[0,8,5][1,7,6][3,4,2]] - Already visited Node!
[[1,8,5][7,0,6][3,4,2]] - Already visited Node!
[[1,8,5][3,7,6][0,4,2]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,5][7,4,6][3,0,2]]

Generated Nodes :

[[1,8,5][7,0,6][3,4,2]] - Already visited Node!
[[1,8,5][7,4,6][3,2,0]] - $f(n) = 24 + 6 = 30$
[[1,8,5][7,4,6][0,3,2]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,5][8,2,6][3,0,4]]

Generated Nodes :

[[1,7,5][8,0,6][3,2,4]] - $f(n) = 24 + 6 = 30$
[[1,7,5][8,2,6][3,4,0]] - Already visited Node!
[[1,7,5][8,2,6][0,3,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[0,3,2][4,5,7][1,8,6]]

Generated Nodes :

[[3,0,2][4,5,7][1,8,6]] - Already visited Node!
[[4,3,2][0,5,7][1,8,6]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,5,2][8,0,6][7,4,3]]

Generated Nodes :

[[1,0,2][8,5,6][7,4,3]] - $f(n) = 25 + 4 = 29$
[[1,5,2][8,6,0][7,4,3]] - $f(n) = 25 + 6 = 31$
[[1,5,2][0,8,6][7,4,3]] - Already visited Node!

[[1,5,2][8,4,6][7,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,5][4,8,0][3,1,6]]

Generated Nodes :

[[7,2,0][4,8,5][3,1,6]] - $f(n) = 24 + 6 = 30$
[[7,2,5][4,0,8][3,1,6]] - Already visited Node!
[[7,2,5][4,8,6][3,1,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,2,5][4,1,8][3,0,6]]

Generated Nodes :

[[7,2,5][4,0,8][3,1,6]] - Already visited Node!
[[7,2,5][4,1,8][3,6,0]] - $f(n) = 24 + 6 = 30$
[[7,2,5][4,1,8][0,3,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,0,2][4,8,6][3,1,7]]

Generated Nodes :

[[5,2,0][4,8,6][3,1,7]] - $f(n) = 24 + 5 = 29$
[[0,5,2][4,8,6][3,1,7]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,0,6][3,1,7]] - Already visited Node!

Node Chosen for Level 24 - [[5,8,2][4,1,6][3,0,7]]

Generated Nodes :

[[5,8,2][4,0,6][3,1,7]] - Already visited Node!
[[5,8,2][4,1,6][3,7,0]] - $f(n) = 24 + 6 = 30$
[[5,8,2][4,1,6][0,3,7]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,0,5][3,1,6][4,8,2]]

Generated Nodes :

[[7,5,0][3,1,6][4,8,2]] - $f(n) = 24 + 6 = 30$
[[0,7,5][3,1,6][4,8,2]] - $f(n) = 24 + 6 = 30$
[[7,1,5][3,0,6][4,8,2]] - Already visited Node!

Node Chosen for Level 24 - [[7,1,5][0,3,6][4,8,2]]

Generated Nodes :

[[0,1,5][7,3,6][4,8,2]] - $f(n) = 24 + 6 = 30$
[[7,1,5][3,0,6][4,8,2]] - Already visited Node!
[[7,1,5][4,3,6][0,8,2]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,0,5][4,1,6][8,3,2]]

Generated Nodes :

[[7,5,0][4,1,6][8,3,2]] - $f(n) = 24 + 6 = 30$
[[0,7,5][4,1,6][8,3,2]] - $f(n) = 24 + 6 = 30$
[[7,1,5][4,0,6][8,3,2]] - Already visited Node!

Node Chosen for Level 24 - [[7,1,5][4,3,6][8,0,2]]

Generated Nodes :

[[7,1,5][4,0,6][8,3,2]] - Already visited Node!
[[7,1,5][4,3,6][8,2,0]] - $f(n) = 24 + 6 = 30$
[[7,1,5][4,3,6][0,8,2]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,7,4][0,3,5][2,8,6]]

Generated Nodes :

[[0,7,4][1,3,5][2,8,6]] - $f(n) = 24 + 7 = 31$
[[1,7,4][3,0,5][2,8,6]] - $f(n) = 24 + 6 = 30$
[[1,7,4][2,3,5][0,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[3,7,2][4,5,8][1,0,6]]

Generated Nodes :

[[3,7,2][4,0,8][1,5,6]] - $f(n) = 24 + 7 = 31$
[[3,7,2][4,5,8][1,6,0]] - $f(n) = 24 + 6 = 30$
[[3,7,2][4,5,8][0,1,6]] - Already visited Node!

Node Chosen for Level 24 - [[3,2,4][5,8,0][7,1,6]]

Generated Nodes :

[[3,2,0][5,8,4][7,1,6]] - Already visited Node!
[[3,2,4][5,0,8][7,1,6]] - $f(n) = 24 + 6 = 30$
[[3,2,4][5,8,6][7,1,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,3,2][8,4,6][7,0,1]]

Generated Nodes :

[[5,3,2][8,0,6][7,4,1]] - $f(n) = 24 + 6 = 30$
[[5,3,2][8,4,6][7,1,0]] - Already visited Node!
[[5,3,2][8,4,6][0,7,1]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 25 - [[1,2,4][8,5,7][3,6,0]]

Generated Nodes :

[[1,2,4][8,5,0][3,6,7]] - $f(n) = 25 + 5 = 30$
[[1,2,4][8,5,7][3,0,6]] - Already visited Node!

Node Chosen for Level 24 - $[[7,4,8][2,5,6][3,0,1]]$

Generated Nodes :

$[[7,4,8][2,0,6][3,5,1]] - f(n) = 24 + 7 = 31$
 $[[7,4,8][2,5,6][3,1,0]] - \text{Already visited Node!}$
 $[[7,4,8][2,5,6][0,3,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[4,8,5][1,2,6][7,0,3]]$

Generated Nodes :

$[[4,8,5][1,0,6][7,2,3]] - f(n) = 24 + 6 = 30$
 $[[4,8,5][1,2,6][7,3,0]] - \text{Already visited Node!}$
 $[[4,8,5][1,2,6][0,7,3]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[5,4,8][1,2,6][7,0,3]]$

Generated Nodes :

$[[5,4,8][1,0,6][7,2,3]] - f(n) = 24 + 6 = 30$
 $[[5,4,8][1,2,6][7,3,0]] - \text{Already visited Node!}$
 $[[5,4,8][1,2,6][0,7,3]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[8,2,1][5,6,0][7,3,4]]$

Generated Nodes :

$[[8,2,0][5,6,1][7,3,4]] - \text{Already visited Node!}$
 $[[8,2,1][5,0,6][7,3,4]] - f(n) = 24 + 5 = 29$
 $[[8,2,1][5,6,4][7,3,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,2,1][6,8,0][7,3,4]]$

Generated Nodes :

$[[5,2,0][6,8,1][7,3,4]] - \text{Already visited Node!}$
 $[[5,2,1][6,0,8][7,3,4]] - \text{Already visited Node!}$
 $[[5,2,1][6,8,4][7,3,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,5,2][0,7,6][8,3,4]]$

Generated Nodes :

$[[0,5,2][1,7,6][8,3,4]] - f(n) = 24 + 7 = 31$
 $[[1,5,2][7,0,6][8,3,4]] - \text{Already visited Node!}$
 $[[1,5,2][8,7,6][0,3,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[1,5,2][7,3,6][8,0,4]]$

Generated Nodes :

[[1,5,2][7,0,6][8,3,4]] - Already visited Node!
[[1,5,2][7,3,6][8,4,0]] - $f(n) = 24 + 6 = 30$
[[1,5,2][7,3,6][0,8,4]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[8,2,1][5,6,0][7,3,4]]

Generated Nodes :

[[8,2,0][5,6,1][7,3,4]] - Already visited Node!
[[8,2,1][5,0,6][7,3,4]] - $f(n) = 24 + 5 = 29$
[[8,2,1][5,6,4][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,1][6,8,0][7,3,4]]

Generated Nodes :

[[5,2,0][6,8,1][7,3,4]] - Already visited Node!
[[5,2,1][6,0,8][7,3,4]] - Already visited Node!
[[5,2,1][6,8,4][7,3,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,5][0,6,2][3,8,4]]

Generated Nodes :

[[0,7,5][1,6,2][3,8,4]] - $f(n) = 24 + 7 = 31$
[[1,7,5][6,0,2][3,8,4]] - $f(n) = 24 + 6 = 30$
[[1,7,5][3,6,2][0,8,4]] - Already visited Node!

Node Chosen for Level 25 - [[0,1,2][8,5,6][7,4,3]]

Generated Nodes :

[[1,0,2][8,5,6][7,4,3]] - $f(n) = 25 + 4 = 29$
[[8,1,2][0,5,6][7,4,3]] - Already visited Node!

Node Chosen for Level 25 - [[7,8,0][4,5,6][3,2,1]]

Generated Nodes :

[[7,0,8][4,5,6][3,2,1]] - Already visited Node!
[[7,8,6][4,5,0][3,2,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[0,7,8][4,5,6][3,2,1]]

Generated Nodes :

[[7,0,8][4,5,6][3,2,1]] - Already visited Node!
[[4,7,8][0,5,6][3,2,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[3,2,4][1,7,6][8,0,5]]

Generated Nodes :

[[3,2,4][1,0,6][8,7,5]] - $f(n) = 24 + 6 = 30$
[[3,2,4][1,7,6][8,5,0]] - Already visited Node!
[[3,2,4][1,7,6][0,8,5]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[3,7,2][0,4,6][1,8,5]]

Generated Nodes :

[[0,7,2][3,4,6][1,8,5]] - $f(n) = 24 + 6 = 30$
[[3,7,2][4,0,6][1,8,5]] - $f(n) = 24 + 5 = 29$
[[3,7,2][1,4,6][0,8,5]] - Already visited Node!

Node Chosen for Level 25 - [[1,4,0][2,5,8][7,3,6]]

Generated Nodes :

[[1,0,4][2,5,8][7,3,6]] - Already visited Node!
[[1,4,8][2,5,0][7,3,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,4,0][2,5,8][7,3,6]]

Generated Nodes :

[[1,0,4][2,5,8][7,3,6]] - Already visited Node!
[[1,4,8][2,5,0][7,3,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - [[1,4,0][2,5,6][7,8,3]]

Generated Nodes :

[[1,0,4][2,5,6][7,8,3]] - Already visited Node!
[[1,4,6][2,5,0][7,8,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[1,4,0][2,5,6][7,8,3]]

Generated Nodes :

[[1,0,4][2,5,6][7,8,3]] - Already visited Node!
[[1,4,6][2,5,0][7,8,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 24 - [[5,2,8][4,7,0][3,1,6]]

Generated Nodes :

[[5,2,0][4,7,8][3,1,6]] - Already visited Node!
[[5,2,8][4,0,7][3,1,6]] - $f(n) = 24 + 6 = 30$
[[5,2,8][4,7,6][3,1,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[8,2,4][5,3,6][1,0,7]]

Generated Nodes :

[[8,2,4][5,0,6][1,3,7]] - $f(n) = 24 + 6 = 30$
[[8,2,4][5,3,6][1,7,0]] - Already visited Node!
[[8,2,4][5,3,6][0,1,7]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,8][0,7,6][3,1,4]]

Generated Nodes :

[[0,2,8][5,7,6][3,1,4]] - $f(n) = 24 + 6 = 30$
[[5,2,8][7,0,6][3,1,4]] - Already visited Node!
[[5,2,8][3,7,6][0,1,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,2,8][7,1,6][3,0,4]]

Generated Nodes :

[[5,2,8][7,0,6][3,1,4]] - Already visited Node!
[[5,2,8][7,1,6][3,4,0]] - $f(n) = 24 + 6 = 30$
[[5,2,8][7,1,6][0,3,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,5,1][4,2,6][8,0,3]]

Generated Nodes :

[[7,5,1][4,0,6][8,2,3]] - $f(n) = 24 + 6 = 30$
[[7,5,1][4,2,6][8,3,0]] - Already visited Node!
[[7,5,1][4,2,6][0,8,3]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[5,2,4][8,1,6][3,0,7]]

Generated Nodes :

[[5,2,4][8,0,6][3,1,7]] - $f(n) = 24 + 6 = 30$
[[5,2,4][8,1,6][3,7,0]] - Already visited Node!
[[5,2,4][8,1,6][0,3,7]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[1,6,2][5,0,3][7,8,4]]

Generated Nodes :

[[1,0,2][5,6,3][7,8,4]] - Already visited Node!
[[1,6,2][5,3,0][7,8,4]] - $f(n) = 25 + 5 = 30$
[[1,6,2][0,5,3][7,8,4]] - $f(n) = 25 + 4 = 29$
[[1,6,2][5,8,3][7,0,4]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[1,5,8][4,2,6][7,0,3]]

Generated Nodes :

[[1,5,8][4,0,6][7,2,3]] - $f(n) = 26 + 4 = 30$

[[1,5,8][4,2,6][7,3,0]] - Already visited Node!
[[1,5,8][4,2,6][0,7,3]] - $f(n) = 26 + 5 = 31$

Node Chosen for Level 26 - [[8,2,5][4,3,6][7,0,1]]

Generated Nodes :

[[8,2,5][4,0,6][7,3,1]] - Already visited Node!
[[8,2,5][4,3,6][7,1,0]] - $f(n) = 26 + 4 = 30$
[[8,2,5][4,3,6][0,7,1]] - $f(n) = 26 + 5 = 31$

Node Chosen for Level 26 - [[1,7,4][0,5,6][2,8,3]]

Generated Nodes :

[[0,7,4][1,5,6][2,8,3]] - $f(n) = 26 + 5 = 31$
[[1,7,4][5,0,6][2,8,3]] - $f(n) = 26 + 5 = 31$
[[1,7,4][2,5,6][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[7,2,1][3,5,0][4,6,8]]

Generated Nodes :

[[7,2,0][3,5,1][4,6,8]] - Already visited Node!
[[7,2,1][3,0,5][4,6,8]] - $f(n) = 24 + 7 = 31$
[[7,2,1][3,5,8][4,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[2,0,8][7,5,6][3,4,1]]

Generated Nodes :

[[2,8,0][7,5,6][3,4,1]] - Already visited Node!
[[0,2,8][7,5,6][3,4,1]] - $f(n) = 24 + 5 = 29$
[[2,5,8][7,0,6][3,4,1]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[2,1,4][7,5,6][8,0,3]]

Generated Nodes :

[[2,1,4][7,0,6][8,5,3]] - Already visited Node!
[[2,1,4][7,5,6][8,3,0]] - Already visited Node!
[[2,1,4][7,5,6][0,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[4,8,7][2,5,6][3,0,1]]

Generated Nodes :

[[4,8,7][2,0,6][3,5,1]] - $f(n) = 24 + 7 = 31$
[[4,8,7][2,5,6][3,1,0]] - Already visited Node!
[[4,8,7][2,5,6][0,3,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,2,4][3,5,0][6,1,8]]

Generated Nodes :

[[7,2,0][3,5,4][6,1,8]] - Already visited Node!
[[7,2,4][3,0,5][6,1,8]] - $f(n) = 24 + 7 = 31$
[[7,2,4][3,5,8][6,1,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 26 - [[7,2,1][4,5,0][3,8,6]]

Generated Nodes :

[[7,2,0][4,5,1][3,8,6]] - Already visited Node!
[[7,2,1][4,0,5][3,8,6]] - $f(n) = 26 + 5 = 31$
[[7,2,1][4,5,6][3,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 25 - [[1,2,3][5,0,7][8,6,4]]

Generated Nodes :

[[1,0,3][5,2,7][8,6,4]] - $f(n) = 25 + 6 = 31$
[[1,2,3][5,7,0][8,6,4]] - Already visited Node!
[[1,2,3][0,5,7][8,6,4]] - $f(n) = 25 + 4 = 29$
[[1,2,3][5,6,7][8,0,4]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,2,3][5,7,4][8,6,0]]

Generated Nodes :

[[1,2,3][5,7,0][8,6,4]] - Already visited Node!
[[1,2,3][5,7,4][8,0,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[0,2,4][5,6,3][7,8,1]]

Generated Nodes :

[[2,0,4][5,6,3][7,8,1]] - $f(n) = 25 + 6 = 31$
[[5,2,4][0,6,3][7,8,1]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,4][6,0,3][7,8,1]]

Generated Nodes :

[[5,0,4][6,2,3][7,8,1]] - $f(n) = 25 + 6 = 31$
[[5,2,4][6,3,0][7,8,1]] - $f(n) = 25 + 5 = 30$
[[5,2,4][0,6,3][7,8,1]] - Already visited Node!
[[5,2,4][6,8,3][7,0,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[8,0,7][2,5,6][3,4,1]]

Generated Nodes :

[[8,7,0][2,5,6][3,4,1]] - Already visited Node!

$[[0,8,7][2,5,6][3,4,1]] - f(n) = 24 + 6 = 30$
 $[[8,5,7][2,0,6][3,4,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[1,8,5][4,7,2][3,0,6]]$

Generated Nodes :

$[[1,8,5][4,0,2][3,7,6]] - f(n) = 24 + 6 = 30$
 $[[1,8,5][4,7,2][3,6,0]] - f(n) = 24 + 6 = 30$
 $[[1,8,5][4,7,2][0,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,2,3][5,0,7][8,6,4]]$

Generated Nodes :

$[[1,0,3][5,2,7][8,6,4]] - f(n) = 25 + 6 = 31$
 $[[1,2,3][5,7,0][8,6,4]] - \text{Already visited Node!}$
 $[[1,2,3][0,5,7][8,6,4]] - f(n) = 25 + 4 = 29$
 $[[1,2,3][5,6,7][8,0,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,2,3][5,7,4][8,6,0]]$

Generated Nodes :

$[[1,2,3][5,7,0][8,6,4]] - \text{Already visited Node!}$
 $[[1,2,3][5,7,4][8,0,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[8,7,4][3,5,6][1,0,2]]$

Generated Nodes :

$[[8,7,4][3,0,6][1,5,2]] - f(n) = 24 + 7 = 31$
 $[[8,7,4][3,5,6][1,2,0]] - \text{Already visited Node!}$
 $[[8,7,4][3,5,6][0,1,2]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,0,2][4,1,8][7,3,6]]$

Generated Nodes :

$[[5,2,0][4,1,8][7,3,6]] - f(n) = 24 + 5 = 29$
 $[[0,5,2][4,1,8][7,3,6]] - \text{Already visited Node!}$
 $[[5,1,2][4,0,8][7,3,6]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[4,2,1][7,5,0][8,3,6]]$

Generated Nodes :

$[[4,2,0][7,5,1][8,3,6]] - \text{Already visited Node!}$
 $[[4,2,1][7,0,5][8,3,6]] - f(n) = 24 + 7 = 31$
 $[[4,2,1][7,5,6][8,3,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[3,2,4][8,5,0][1,7,6]]$

Generated Nodes :

[[3,2,0][8,5,4][1,7,6]] - Already visited Node!
[[3,2,4][8,0,5][1,7,6]] - $f(n) = 24 + 7 = 31$
[[3,2,4][8,5,6][1,7,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,2,5][7,4,0][8,3,6]]

Generated Nodes :

[[1,2,0][7,4,5][8,3,6]] - $f(n) = 24 + 6 = 30$
[[1,2,5][7,0,4][8,3,6]] - Already visited Node!
[[1,2,5][7,4,6][8,3,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[1,2,5][0,7,4][8,3,6]]

Generated Nodes :

[[0,2,5][1,7,4][8,3,6]] - $f(n) = 24 + 7 = 31$
[[1,2,5][7,0,4][8,3,6]] - Already visited Node!
[[1,2,5][8,7,4][0,3,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,2,5][7,3,4][8,0,6]]

Generated Nodes :

[[1,2,5][7,0,4][8,3,6]] - Already visited Node!
[[1,2,5][7,3,4][8,6,0]] - $f(n) = 24 + 6 = 30$
[[1,2,5][7,3,4][0,8,6]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[7,2,4][6,5,0][8,1,3]]

Generated Nodes :

[[7,2,0][6,5,4][8,1,3]] - Already visited Node!
[[7,2,4][6,0,5][8,1,3]] - $f(n) = 24 + 7 = 31$
[[7,2,4][6,5,3][8,1,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,2,4][5,8,0][3,7,6]]

Generated Nodes :

[[1,2,0][5,8,4][3,7,6]] - Already visited Node!
[[1,2,4][5,0,8][3,7,6]] - $f(n) = 24 + 6 = 30$
[[1,2,4][5,8,6][3,7,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - [[0,2,4][5,6,3][7,8,1]]

Generated Nodes :

[[2,0,4][5,6,3][7,8,1]] - $f(n) = 25 + 6 = 31$

[[5,2,4][0,6,3][7,8,1]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,4][6,0,3][7,8,1]]

Generated Nodes :

[[5,0,4][6,2,3][7,8,1]] - $f(n) = 25 + 6 = 31$
[[5,2,4][6,3,0][7,8,1]] - $f(n) = 25 + 5 = 30$
[[5,2,4][0,6,3][7,8,1]] - Already visited Node!
[[5,2,4][6,8,3][7,0,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,3][1,0,8][7,6,4]]

Generated Nodes :

[[5,0,3][1,2,8][7,6,4]] - $f(n) = 25 + 6 = 31$
[[5,2,3][1,8,0][7,6,4]] - Already visited Node!
[[5,2,3][0,1,8][7,6,4]] - $f(n) = 25 + 5 = 30$
[[5,2,3][1,6,8][7,0,4]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,3][1,8,4][7,6,0]]

Generated Nodes :

[[5,2,3][1,8,0][7,6,4]] - Already visited Node!
[[5,2,3][1,8,4][7,0,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[0,2,1][5,6,4][7,8,3]]

Generated Nodes :

[[2,0,1][5,6,4][7,8,3]] - $f(n) = 25 + 6 = 31$
[[5,2,1][0,6,4][7,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,1][6,0,4][7,8,3]]

Generated Nodes :

[[5,0,1][6,2,4][7,8,3]] - $f(n) = 25 + 6 = 31$
[[5,2,1][6,4,0][7,8,3]] - $f(n) = 25 + 5 = 30$
[[5,2,1][0,6,4][7,8,3]] - Already visited Node!
[[5,2,1][6,8,4][7,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,3][7,6,4][1,8,0]]

Generated Nodes :

[[5,2,3][7,6,0][1,8,4]] - Already visited Node!
[[5,2,3][7,6,4][1,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,6,5][3,0,2][7,8,4]]

Generated Nodes :

[[1,0,5][3,6,2][7,8,4]] - $f(n) = 25 + 5 = 30$
[[1,6,5][3,2,0][7,8,4]] - $f(n) = 25 + 5 = 30$
[[1,6,5][0,3,2][7,8,4]] - Already visited Node!
[[1,6,5][3,8,2][7,0,4]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[1,7,4][0,5,6][2,8,3]]

Generated Nodes :

[[0,7,4][1,5,6][2,8,3]] - $f(n) = 26 + 5 = 31$
[[1,7,4][5,0,6][2,8,3]] - $f(n) = 26 + 5 = 31$
[[1,7,4][2,5,6][0,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[0,4,1][5,2,6][7,8,3]]

Generated Nodes :

[[4,0,1][5,2,6][7,8,3]] - $f(n) = 25 + 5 = 30$
[[5,4,1][0,2,6][7,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[5,4,1][2,0,6][7,8,3]]

Generated Nodes :

[[5,0,1][2,4,6][7,8,3]] - $f(n) = 25 + 5 = 30$
[[5,4,1][2,6,0][7,8,3]] - $f(n) = 25 + 6 = 31$
[[5,4,1][0,2,6][7,8,3]] - Already visited Node!
[[5,4,1][2,8,6][7,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[1,7,2][4,5,6][3,0,8]]

Generated Nodes :

[[1,7,2][4,0,6][3,5,8]] - $f(n) = 26 + 5 = 31$
[[1,7,2][4,5,6][3,8,0]] - $f(n) = 26 + 3 = 29$
[[1,7,2][4,5,6][0,3,8]] - Already visited Node!

Node Chosen for Level 25 - [[4,1,5][2,0,6][7,8,3]]

Generated Nodes :

[[4,0,5][2,1,6][7,8,3]] - $f(n) = 25 + 5 = 30$
[[4,1,5][2,6,0][7,8,3]] - $f(n) = 25 + 6 = 31$
[[4,1,5][0,2,6][7,8,3]] - Already visited Node!
[[4,1,5][2,8,6][7,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[0,4,1][5,2,6][7,8,3]]

Generated Nodes :

$[[4,0,1][5,2,6][7,8,3]] - f(n) = 25 + 5 = 30$
 $[[5,4,1][0,2,6][7,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[5,4,1][2,0,6][7,8,3]]$

Generated Nodes :

$[[5,0,1][2,4,6][7,8,3]] - f(n) = 25 + 5 = 30$
 $[[5,4,1][2,6,0][7,8,3]] - f(n) = 25 + 6 = 31$
 $[[5,4,1][0,2,6][7,8,3]] - \text{Already visited Node!}$
 $[[5,4,1][2,8,6][7,0,3]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - $[[1,2,4][7,5,0][3,8,6]]$

Generated Nodes :

$[[1,2,0][7,5,4][3,8,6]] - \text{Already visited Node!}$
 $[[1,2,4][7,0,5][3,8,6]] - f(n) = 26 + 5 = 31$
 $[[1,2,4][7,5,6][3,8,0]] - f(n) = 26 + 3 = 29$

Node Chosen for Level 25 - $[[7,2,3][1,5,8][6,4,0]]$

Generated Nodes :

$[[7,2,3][1,5,0][6,4,8]] - \text{Already visited Node!}$
 $[[7,2,3][1,5,8][6,0,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[7,2,3][6,5,1][8,4,0]]$

Generated Nodes :

$[[7,2,3][6,5,0][8,4,1]] - \text{Already visited Node!}$
 $[[7,2,3][6,5,1][8,0,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[7,2,3][8,5,4][6,1,0]]$

Generated Nodes :

$[[7,2,3][8,5,0][6,1,4]] - \text{Already visited Node!}$
 $[[7,2,3][8,5,4][6,0,1]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - $[[1,2,4][7,5,0][3,8,6]]$

Generated Nodes :

$[[1,2,0][7,5,4][3,8,6]] - \text{Already visited Node!}$
 $[[1,2,4][7,0,5][3,8,6]] - f(n) = 26 + 5 = 31$
 $[[1,2,4][7,5,6][3,8,0]] - f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - $[[5,2,3][0,7,6][1,8,4]]$

Generated Nodes :

[[0,2,3][5,7,6][1,8,4]] - $f(n) = 26 + 4 = 30$
[[5,2,3][7,0,6][1,8,4]] - Already visited Node!
[[5,2,3][1,7,6][0,8,4]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 27 - [[1,2,3][5,6,4][7,8,0]]

Generated Nodes :

[[1,2,3][5,6,0][7,8,4]] - Already visited Node!
[[1,2,3][5,6,4][7,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[1,5,0][4,2,6][7,8,3]]

Generated Nodes :

[[1,0,5][4,2,6][7,8,3]] - Already visited Node!
[[1,5,6][4,2,0][7,8,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 23 - [[8,2,0][3,7,5][4,1,6]]

Generated Nodes :

[[8,0,2][3,7,5][4,1,6]] - Already visited Node!
[[8,2,5][3,7,0][4,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,2][4,3,5][0,1,6]]

Generated Nodes :

[[8,7,2][0,3,5][4,1,6]] - Already visited Node!
[[8,7,2][4,3,5][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - [[4,2,0][5,7,6][1,8,3]]

Generated Nodes :

[[4,0,2][5,7,6][1,8,3]] - Already visited Node!
[[4,2,6][5,7,0][1,8,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[7,2,0][5,1,6][4,8,3]]

Generated Nodes :

[[7,0,2][5,1,6][4,8,3]] - $f(n) = 25 + 6 = 31$
[[7,2,6][5,1,0][4,8,3]] - Already visited Node!

Node Chosen for Level 25 - [[3,2,0][4,7,6][8,5,1]]

Generated Nodes :

[[3,0,2][4,7,6][8,5,1]] - Already visited Node!

$[[3,2,6][4,7,0][8,5,1]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[7,2,6][4,1,5][3,8,0]]$

Generated Nodes :

$[[7,2,6][4,1,0][3,8,5]] - f(n) = 25 + 5 = 30$
 $[[7,2,6][4,1,5][3,0,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,7,3][0,2,5][8,6,4]]$

Generated Nodes :

$[[0,7,3][1,2,5][8,6,4]] - \text{Already visited Node!}$
 $[[1,7,3][2,0,5][8,6,4]] - f(n) = 24 + 6 = 30$
 $[[1,7,3][8,2,5][0,6,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[7,2,0][1,8,4][3,5,6]]$

Generated Nodes :

$[[7,0,2][1,8,4][3,5,6]] - \text{Already visited Node!}$
 $[[7,2,4][1,8,0][3,5,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[2,4,6][0,5,7][3,8,1]]$

Generated Nodes :

$[[0,4,6][2,5,7][3,8,1]] - f(n) = 24 + 6 = 30$
 $[[2,4,6][5,0,7][3,8,1]] - \text{Already visited Node!}$
 $[[2,4,6][3,5,7][0,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[2,4,6][0,5,8][7,3,1]]$

Generated Nodes :

$[[0,4,6][2,5,8][7,3,1]] - f(n) = 24 + 6 = 30$
 $[[2,4,6][5,0,8][7,3,1]] - \text{Already visited Node!}$
 $[[2,4,6][7,5,8][0,3,1]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[7,0,2][4,5,3][1,6,8]]$

Generated Nodes :

$[[7,2,0][4,5,3][1,6,8]] - f(n) = 24 + 5 = 29$
 $[[0,7,2][4,5,3][1,6,8]] - f(n) = 24 + 6 = 30$
 $[[7,5,2][4,0,3][1,6,8]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,0,2][4,5,8][1,3,6]]$

Generated Nodes :

$[[7,2,0][4,5,8][1,3,6]] - f(n) = 24 + 5 = 29$
 $[[0,7,2][4,5,8][1,3,6]] - f(n) = 24 + 6 = 30$
 $[[7,5,2][4,0,8][1,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[3,2,0][1,7,5][8,6,4]]$

Generated Nodes :

$[[3,0,2][1,7,5][8,6,4]] - \text{Already visited Node!}$
 $[[3,2,5][1,7,0][8,6,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,7,2][1,6,5][0,8,4]]$

Generated Nodes :

$[[3,7,2][0,6,5][1,8,4]] - f(n) = 23 + 7 = 30$
 $[[3,7,2][1,6,5][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[2,1,4][7,5,6][8,0,3]]$

Generated Nodes :

$[[2,1,4][7,0,6][8,5,3]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,6][8,3,0]] - \text{Already visited Node!}$
 $[[2,1,4][7,5,6][0,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[5,1,7][4,0,2][8,3,6]]$

Generated Nodes :

$[[5,0,7][4,1,2][8,3,6]] - f(n) = 23 + 7 = 30$
 $[[5,1,7][4,2,0][8,3,6]] - f(n) = 23 + 7 = 30$
 $[[5,1,7][0,4,2][8,3,6]] - \text{Already visited Node!}$
 $[[5,1,7][4,3,2][8,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[5,0,3][7,6,2][4,8,1]]$

Generated Nodes :

$[[5,3,0][7,6,2][4,8,1]] - \text{Already visited Node!}$
 $[[0,5,3][7,6,2][4,8,1]] - f(n) = 24 + 6 = 30$
 $[[5,6,3][7,0,2][4,8,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,3,2][0,8,6][7,4,1]]$

Generated Nodes :

$[[0,3,2][5,8,6][7,4,1]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][8,0,6][7,4,1]] - f(n) = 24 + 6 = 30$
 $[[5,3,2][7,8,6][0,4,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[7,0,4][3,5,6][8,2,1]]$

Generated Nodes :

[[7,4,0][3,5,6][8,2,1]] - $f(n) = 24 + 6 = 30$
[[0,7,4][3,5,6][8,2,1]] - $f(n) = 24 + 6 = 30$
[[7,5,4][3,0,6][8,2,1]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,0][3,7,5][6,4,1]]

Generated Nodes :

[[8,0,2][3,7,5][6,4,1]] - Already visited Node!
[[8,2,5][3,7,0][6,4,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,2,0][1,7,8][6,5,4]]

Generated Nodes :

[[3,0,2][1,7,8][6,5,4]] - Already visited Node!
[[3,2,8][1,7,0][6,5,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[5,0,3][7,6,2][4,8,1]]

Generated Nodes :

[[5,3,0][7,6,2][4,8,1]] - Already visited Node!
[[0,5,3][7,6,2][4,8,1]] - $f(n) = 24 + 6 = 30$
[[5,6,3][7,0,2][4,8,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,3,2][0,8,6][7,4,1]]

Generated Nodes :

[[0,3,2][5,8,6][7,4,1]] - $f(n) = 24 + 6 = 30$
[[5,3,2][8,0,6][7,4,1]] - $f(n) = 24 + 6 = 30$
[[5,3,2][7,8,6][0,4,1]] - Already visited Node!

Node Chosen for Level 24 - [[2,4,3][5,7,0][1,8,6]]

Generated Nodes :

[[2,4,0][5,7,3][1,8,6]] - Already visited Node!
[[2,4,3][5,0,7][1,8,6]] - $f(n) = 24 + 6 = 30$
[[2,4,3][5,7,6][1,8,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[2,7,4][0,5,3][1,8,6]]

Generated Nodes :

[[0,7,4][2,5,3][1,8,6]] - $f(n) = 24 + 6 = 30$
[[2,7,4][5,0,3][1,8,6]] - Already visited Node!
[[2,7,4][1,5,3][0,8,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[8,0,6][4,5,7][3,2,1]]

Generated Nodes :

[[8,6,0][4,5,7][3,2,1]] – $f(n) = 24 + 6 = 30$
[[0,8,6][4,5,7][3,2,1]] – $f(n) = 24 + 6 = 30$
[[8,5,6][4,0,7][3,2,1]] – Already visited Node!

Node Chosen for Level 24 – [[2,7,4][0,5,6][8,1,3]]

Generated Nodes :

[[0,7,4][2,5,6][8,1,3]] – $f(n) = 24 + 6 = 30$
[[2,7,4][5,0,6][8,1,3]] – Already visited Node!
[[2,7,4][8,5,6][0,1,3]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[5,4,2][0,8,6][7,1,3]]

Generated Nodes :

[[0,4,2][5,8,6][7,1,3]] – $f(n) = 24 + 6 = 30$
[[5,4,2][8,0,6][7,1,3]] – $f(n) = 24 + 6 = 30$
[[5,4,2][7,8,6][0,1,3]] – Already visited Node!

Node Chosen for Level 23 – [[8,2,0][3,7,4][1,5,6]]

Generated Nodes :

[[8,0,2][3,7,4][1,5,6]] – Already visited Node!
[[8,2,4][3,7,0][1,5,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,7,2][3,4,6][1,5,0]]

Generated Nodes :

[[8,7,2][3,4,0][1,5,6]] – Already visited Node!
[[8,7,2][3,4,6][1,0,5]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[6,2,0][5,7,1][8,3,4]]

Generated Nodes :

[[6,0,2][5,7,1][8,3,4]] – Already visited Node!
[[6,2,1][5,7,0][8,3,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[6,7,2][5,3,1][0,8,4]]

Generated Nodes :

[[6,7,2][0,3,1][5,8,4]] – $f(n) = 23 + 7 = 30$
[[6,7,2][5,3,1][8,0,4]] – Already visited Node!

Node Chosen for Level 24 – [[8,5,2][3,4,6][7,0,1]]

Generated Nodes :

[[8,5,2][3,0,6][7,4,1]] – $f(n) = 24 + 6 = 30$
[[8,5,2][3,4,6][7,1,0]] – $f(n) = 24 + 6 = 30$
[[8,5,2][3,4,6][0,7,1]] – Already visited Node!

Node Chosen for Level 24 – [[8,0,2][7,5,6][4,3,1]]

Generated Nodes :

[[8,2,0][7,5,6][4,3,1]] – $f(n) = 24 + 5 = 29$
[[0,8,2][7,5,6][4,3,1]] – $f(n) = 24 + 6 = 30$
[[8,5,2][7,0,6][4,3,1]] – Already visited Node!

Node Chosen for Level 24 – [[8,2,7][1,5,0][4,3,6]]

Generated Nodes :

[[8,2,0][1,5,7][4,3,6]] – $f(n) = 24 + 6 = 30$
[[8,2,7][1,0,5][4,3,6]] – Already visited Node!
[[8,2,7][1,5,6][4,3,0]] – $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 – [[1,2,0][8,7,6][4,5,3]]

Generated Nodes :

[[1,0,2][8,7,6][4,5,3]] – Already visited Node!
[[1,2,6][8,7,0][4,5,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[1,7,2][4,8,6][0,5,3]]

Generated Nodes :

[[1,7,2][0,8,6][4,5,3]] – Already visited Node!
[[1,7,2][4,8,6][5,0,3]] – Already visited Node!

Node Chosen for Level 26 – [[1,4,3][5,2,0][7,8,6]]

Generated Nodes :

[[1,4,0][5,2,3][7,8,6]] – Already visited Node!
[[1,4,3][5,0,2][7,8,6]] – Already visited Node!
[[1,4,3][5,2,6][7,8,0]] – $f(n) = 26 + 3 = 29$

Node Chosen for Level 25 – [[7,2,3][1,4,6][8,5,0]]

Generated Nodes :

[[7,2,3][1,4,0][8,5,6]] – Already visited Node!

$[[7,2,3][1,4,6][8,0,5]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - $[[4,0,2][1,5,6][7,8,3]]$

Generated Nodes :

$[[4,2,0][1,5,6][7,8,3]] - f(n) = 26 + 3 = 29$

$[[0,4,2][1,5,6][7,8,3]] - \text{Already visited Node!}$

$[[4,5,2][1,0,6][7,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,4,3][0,8,2][7,1,6]]$

Generated Nodes :

$[[0,4,3][5,8,2][7,1,6]] - f(n) = 24 + 6 = 30$

$[[5,4,3][8,0,2][7,1,6]] - f(n) = 24 + 6 = 30$

$[[5,4,3][7,8,2][0,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[7,2,0][1,4,6][5,8,3]]$

Generated Nodes :

$[[7,0,2][1,4,6][5,8,3]] - \text{Already visited Node!}$

$[[7,2,6][1,4,0][5,8,3]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[7,2,1][4,6,5][0,8,3]]$

Generated Nodes :

$[[7,2,1][0,6,5][4,8,3]] - f(n) = 25 + 6 = 31$

$[[7,2,1][4,6,5][8,0,3]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,2,6][0,5,7][8,3,1]]$

Generated Nodes :

$[[0,2,6][4,5,7][8,3,1]] - f(n) = 24 + 5 = 29$

$[[4,2,6][5,0,7][8,3,1]] - \text{Already visited Node!}$

$[[4,2,6][8,5,7][0,3,1]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,1,2][8,5,6][3,0,4]]$

Generated Nodes :

$[[7,1,2][8,0,6][3,5,4]] - \text{Already visited Node!}$

$[[7,1,2][8,5,6][3,4,0]] - f(n) = 24 + 6 = 30$

$[[7,1,2][8,5,6][0,3,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[8,2,6][3,5,7][4,0,1]]$

Generated Nodes :

[[8,2,6][3,0,7][4,5,1]] - Already visited Node!
[[8,2,6][3,5,7][4,1,0]] - $f(n) = 24 + 6 = 30$
[[8,2,6][3,5,7][0,4,1]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,2][1,5,3][4,8,6]]

Generated Nodes :

[[7,2,0][1,5,3][4,8,6]] - $f(n) = 24 + 5 = 29$
[[0,7,2][1,5,3][4,8,6]] - $f(n) = 24 + 6 = 30$
[[7,5,2][1,0,3][4,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[7,0,2][1,5,3][4,8,6]]

Generated Nodes :

[[7,2,0][1,5,3][4,8,6]] - $f(n) = 24 + 5 = 29$
[[0,7,2][1,5,3][4,8,6]] - $f(n) = 24 + 6 = 30$
[[7,5,2][1,0,3][4,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[4,2,6][0,5,7][8,3,1]]

Generated Nodes :

[[0,2,6][4,5,7][8,3,1]] - $f(n) = 24 + 5 = 29$
[[4,2,6][5,0,7][8,3,1]] - Already visited Node!
[[4,2,6][8,5,7][0,3,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 26 - [[1,3,2][0,5,6][7,4,8]]

Generated Nodes :

[[0,3,2][1,5,6][7,4,8]] - $f(n) = 26 + 5 = 31$
[[1,3,2][5,0,6][7,4,8]] - Already visited Node!
[[1,3,2][7,5,6][0,4,8]] - $f(n) = 26 + 5 = 31$

Node Chosen for Level 26 - [[4,2,6][0,5,3][7,8,1]]

Generated Nodes :

[[0,2,6][4,5,3][7,8,1]] - $f(n) = 26 + 3 = 29$
[[4,2,6][5,0,3][7,8,1]] - Already visited Node!
[[4,2,6][7,5,3][0,8,1]] - $f(n) = 26 + 5 = 31$

Node Chosen for Level 27 - [[4,2,0][1,5,6][7,8,3]]

Generated Nodes :

[[4,0,2][1,5,6][7,8,3]] - Already visited Node!
[[4,2,6][1,5,0][7,8,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 23 - [[4,7,2][5,6,1][0,8,3]]

Generated Nodes :

[[4,7,2][0,6,1][5,8,3]] - $f(n) = 23 + 7 = 30$
[[4,7,2][5,6,1][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - [[7,1,4][8,2,6][3,5,0]]

Generated Nodes :

[[7,1,4][8,2,0][3,5,6]] - Already visited Node!
[[7,1,4][8,2,6][3,0,5]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][7,4,3][8,1,6]]

Generated Nodes :

[[5,0,2][7,4,3][8,1,6]] - Already visited Node!
[[5,2,3][7,4,0][8,1,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[7,5,2][4,3,1][0,6,8]]

Generated Nodes :

[[7,5,2][0,3,1][4,6,8]] - Already visited Node!
[[7,5,2][4,3,1][6,0,8]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,4,5][7,1,6][8,3,0]]

Generated Nodes :

[[2,4,5][7,1,0][8,3,6]] - Already visited Node!
[[2,4,5][7,1,6][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[2,1,4][7,3,5][0,8,6]]

Generated Nodes :

[[2,1,4][0,3,5][7,8,6]] - $f(n) = 23 + 6 = 29$
[[2,1,4][7,3,5][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,7,5][6,3,2][0,8,1]]

Generated Nodes :

[[4,7,5][0,3,2][6,8,1]] - $f(n) = 23 + 7 = 30$
[[4,7,5][6,3,2][8,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,0][7,4,1][8,6,3]]

Generated Nodes :

[[5,0,2][7,4,1][8,6,3]] - Already visited Node!
[[5,2,1][7,4,0][8,6,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][7,4,3][8,1,6]]

Generated Nodes :

[[5,0,2][7,4,3][8,1,6]] - Already visited Node!
[[5,2,3][7,4,0][8,1,6]] - $f(n) = 23 + 6 = 29$

Node Chosen for Level 23 - [[5,4,2][7,1,3][0,8,6]]

Generated Nodes :

[[5,4,2][0,1,3][7,8,6]] - $f(n) = 23 + 6 = 29$
[[5,4,2][7,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[5,4,8][3,2,6][1,7,0]]

Generated Nodes :

[[5,4,8][3,2,0][1,7,6]] - Already visited Node!
[[5,4,8][3,2,6][1,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,1,2][7,6,4][3,8,0]]

Generated Nodes :

[[5,1,2][7,6,0][3,8,4]] - $f(n) = 23 + 7 = 30$
[[5,1,2][7,6,4][3,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[3,7,5][1,2,6][8,4,0]]

Generated Nodes :

[[3,7,5][1,2,0][8,4,6]] - Already visited Node!
[[3,7,5][1,2,6][8,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][1,3,4][8,7,6]]

Generated Nodes :

[[5,0,2][1,3,4][8,7,6]] - Already visited Node!
[[5,2,4][1,3,0][8,7,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,3,2][1,4,6][8,7,0]]

Generated Nodes :

[[5,3,2][1,4,0][8,7,6]] - Already visited Node!
[[5,3,2][1,4,6][8,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][8,4,7][3,1,6]]$

Generated Nodes :

 $[[5,0,2][8,4,7][3,1,6]]$ - Already visited Node!
 $[[5,2,7][8,4,0][3,1,6]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,4,5][2,6,1][0,8,3]]$

Generated Nodes :

 $[[7,4,5][0,6,1][2,8,3]]$ - $f(n) = 23 + 7 = 30$
 $[[7,4,5][2,6,1][8,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[2,4,1][5,7,6][8,3,0]]$

Generated Nodes :

 $[[2,4,1][5,7,0][8,3,6]]$ - Already visited Node!
 $[[2,4,1][5,7,6][8,0,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[2,7,4][5,1,6][8,3,0]]$

Generated Nodes :

 $[[2,7,4][5,1,0][8,3,6]]$ - Already visited Node!
 $[[2,7,4][5,1,6][8,0,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[2,7,4][5,3,1][0,8,6]]$

Generated Nodes :

 $[[2,7,4][0,3,1][5,8,6]]$ - $f(n) = 23 + 7 = 30$
 $[[2,7,4][5,3,1][8,0,6]]$ - Already visited Node!

Node Chosen for Level 23 - $[[8,4,7][5,2,6][3,1,0]]$

Generated Nodes :

 $[[8,4,7][5,2,0][3,1,6]]$ - Already visited Node!
 $[[8,4,7][5,2,6][3,0,1]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 25 - $[[5,2,0][4,8,3][7,1,6]]$

Generated Nodes :

 $[[5,0,2][4,8,3][7,1,6]]$ - Already visited Node!
 $[[5,2,3][4,8,0][7,1,6]]$ - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[4,7,2][3,5,6][1,8,0]]$

Generated Nodes :

[[4,7,2][3,5,0][1,8,6]] - $f(n) = 25 + 6 = 31$
[[4,7,2][3,5,6][1,0,8]] - Already visited Node!

Node Chosen for Level 25 - [[2,4,1][5,3,6][7,8,0]]

Generated Nodes :

[[2,4,1][5,3,0][7,8,6]] - Already visited Node!
[[2,4,1][5,3,6][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[2,3,4][5,1,6][7,8,0]]

Generated Nodes :

[[2,3,4][5,1,0][7,8,6]] - Already visited Node!
[[2,3,4][5,1,6][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,4,1][3,2,6][7,8,0]]

Generated Nodes :

[[5,4,1][3,2,0][7,8,6]] - Already visited Node!
[[5,4,1][3,2,6][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,6][4,7,3][0,8,1]]

Generated Nodes :

[[5,2,6][0,7,3][4,8,1]] - Already visited Node!
[[5,2,6][4,7,3][8,0,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,6][4,7,3][0,8,1]]

Generated Nodes :

[[5,2,6][0,7,3][4,8,1]] - Already visited Node!
[[5,2,6][4,7,3][8,0,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,0][3,1,6][7,4,8]]

Generated Nodes :

[[5,0,2][3,1,6][7,4,8]] - Already visited Node!
[[5,2,6][3,1,0][7,4,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,7,5][3,2,6][4,8,0]]

Generated Nodes :

[[1,7,5][3,2,0][4,8,6]] - Already visited Node!
[[1,7,5][3,2,6][4,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 23 – [[7,2,0][3,1,4][8,5,6]]

Generated Nodes :

[[7,0,2][3,1,4][8,5,6]] – Already visited Node!
[[7,2,4][3,1,0][8,5,6]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 – [[7,0,2][6,5,4][3,8,1]]

Generated Nodes :

[[7,2,0][6,5,4][3,8,1]] – $f(n) = 24 + 5 = 29$
[[0,7,2][6,5,4][3,8,1]] – $f(n) = 24 + 6 = 30$
[[7,5,2][6,0,4][3,8,1]] – Already visited Node!

Node Chosen for Level 25 – [[7,2,6][4,1,3][0,8,5]]

Generated Nodes :

[[7,2,6][0,1,3][4,8,5]] – $f(n) = 25 + 6 = 31$
[[7,2,6][4,1,3][8,0,5]] – Already visited Node!

Node Chosen for Level 23 – [[7,2,0][8,3,1][6,5,4]]

Generated Nodes :

[[7,0,2][8,3,1][6,5,4]] – Already visited Node!
[[7,2,1][8,3,0][6,5,4]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 – [[7,0,4][2,5,3][1,8,6]]

Generated Nodes :

[[7,4,0][2,5,3][1,8,6]] – $f(n) = 24 + 6 = 30$
[[0,7,4][2,5,3][1,8,6]] – $f(n) = 24 + 6 = 30$
[[7,5,4][2,0,3][1,8,6]] – Already visited Node!

Node Chosen for Level 24 – [[8,6,7][4,5,0][3,2,1]]

Generated Nodes :

[[8,6,0][4,5,7][3,2,1]] – $f(n) = 24 + 6 = 30$
[[8,6,7][4,0,5][3,2,1]] – Already visited Node!
[[8,6,7][4,5,1][3,2,0]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[7,0,4][2,5,6][8,1,3]]

Generated Nodes :

[[7,4,0][2,5,6][8,1,3]] – $f(n) = 24 + 6 = 30$
[[0,7,4][2,5,6][8,1,3]] – $f(n) = 24 + 6 = 30$

[[7,5,4][2,0,6][8,1,3]] - Already visited Node!

Node Chosen for Level 24 - [[2,4,8][0,5,1][7,3,6]]

Generated Nodes :

[[0,4,8][2,5,1][7,3,6]] - $f(n) = 24 + 6 = 30$
[[2,4,8][5,0,1][7,3,6]] - Already visited Node!
[[2,4,8][7,5,1][0,3,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[8,2,6][0,5,1][3,7,4]]

Generated Nodes :

[[0,2,6][8,5,1][3,7,4]] - $f(n) = 24 + 6 = 30$
[[8,2,6][5,0,1][3,7,4]] - Already visited Node!
[[8,2,6][3,5,1][0,7,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,0,2][4,5,8][3,6,1]]

Generated Nodes :

[[7,2,0][4,5,8][3,6,1]] - $f(n) = 24 + 5 = 29$
[[0,7,2][4,5,8][3,6,1]] - $f(n) = 24 + 6 = 30$
[[7,5,2][4,0,8][3,6,1]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,3][1,0,6][8,4,5]]

Generated Nodes :

[[7,0,3][1,2,6][8,4,5]] - $f(n) = 25 + 6 = 31$
[[7,2,3][1,6,0][8,4,5]] - Already visited Node!
[[7,2,3][0,1,6][8,4,5]] - $f(n) = 25 + 5 = 30$
[[7,2,3][1,4,6][8,0,5]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 23 - [[7,2,0][3,8,4][5,1,6]]

Generated Nodes :

[[7,0,2][3,8,4][5,1,6]] - Already visited Node!
[[7,2,4][3,8,0][5,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,2,0][8,7,4][5,1,6]]

Generated Nodes :

[[3,0,2][8,7,4][5,1,6]] - Already visited Node!
[[3,2,4][8,7,0][5,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,7,2][8,4,6][5,1,0]]

Generated Nodes :

[[3,7,2][8,4,0][5,1,6]] - Already visited Node!
[[3,7,2][8,4,6][5,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,6,5][3,4,2][1,8,0]]

Generated Nodes :

[[7,6,5][3,4,0][1,8,2]] - $f(n) = 23 + 7 = 30$
[[7,6,5][3,4,2][1,0,8]] - Already visited Node!

Node Chosen for Level 23 - [[7,8,5][3,2,6][4,1,0]]

Generated Nodes :

[[7,8,5][3,2,0][4,1,6]] - Already visited Node!
[[7,8,5][3,2,6][4,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,8,5][4,3,2][0,1,6]]

Generated Nodes :

[[7,8,5][0,3,2][4,1,6]] - Already visited Node!
[[7,8,5][4,3,2][1,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,2,0][7,3,8][4,1,6]]

Generated Nodes :

[[5,0,2][7,3,8][4,1,6]] - Already visited Node!
[[5,2,8][7,3,0][4,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,6,4][7,3,2][0,8,1]]

Generated Nodes :

[[5,6,4][0,3,2][7,8,1]] - $f(n) = 23 + 6 = 29$
[[5,6,4][7,3,2][8,0,1]] - Already visited Node!

Node Chosen for Level 23 - [[5,2,0][7,4,1][8,6,3]]

Generated Nodes :

[[5,0,2][7,4,1][8,6,3]] - Already visited Node!
[[5,2,1][7,4,0][8,6,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[0,2,8][5,4,7][3,1,6]]

Generated Nodes :

[[2,0,8][5,4,7][3,1,6]] - Already visited Node!
[[5,2,8][0,4,7][3,1,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,2,7][5,8,4][3,1,6]]$

Generated Nodes :

$[[2,0,7][5,8,4][3,1,6]]$ - Already visited Node!
 $[[5,2,7][0,8,4][3,1,6]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - $[[3,8,2][7,5,6][4,0,1]]$

Generated Nodes :

$[[3,8,2][7,0,6][4,5,1]]$ - Already visited Node!
 $[[3,8,2][7,5,6][4,1,0]]$ - $f(n) = 24 + 6 = 30$
 $[[3,8,2][7,5,6][0,4,1]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[7,3,2][8,5,6][4,0,1]]$

Generated Nodes :

$[[7,3,2][8,0,6][4,5,1]]$ - Already visited Node!
 $[[7,3,2][8,5,6][4,1,0]]$ - $f(n) = 24 + 6 = 30$
 $[[7,3,2][8,5,6][0,4,1]]$ - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - $[[4,8,5][3,2,6][1,7,0]]$

Generated Nodes :

$[[4,8,5][3,2,0][1,7,6]]$ - Already visited Node!
 $[[4,8,5][3,2,6][1,0,7]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,8,5][4,3,2][1,7,6]]$

Generated Nodes :

$[[8,0,5][4,3,2][1,7,6]]$ - $f(n) = 23 + 7 = 30$
 $[[4,8,5][0,3,2][1,7,6]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,1,5][8,2,6][4,3,0]]$

Generated Nodes :

$[[7,1,5][8,2,0][4,3,6]]$ - Already visited Node!
 $[[7,1,5][8,2,6][4,0,3]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,1,5][4,8,2][0,3,6]]$

Generated Nodes :

$[[7,1,5][0,8,2][4,3,6]]$ - Already visited Node!
 $[[7,1,5][4,8,2][3,0,6]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[8,5,2][1,7,6][4,3,0]]

Generated Nodes :

[[8,5,2][1,7,0][4,3,6]] – Already visited Node!
[[8,5,2][1,7,6][4,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,5,4][2,1,6][8,3,0]]

Generated Nodes :

[[7,5,4][2,1,0][8,3,6]] – Already visited Node!
[[7,5,4][2,1,6][8,0,3]] – $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 – [[7,5,4][2,3,1][0,8,6]]

Generated Nodes :

[[7,5,4][0,3,1][2,8,6]] – $f(n) = 23 + 7 = 30$
[[7,5,4][2,3,1][8,0,6]] – Already visited Node!

Node Chosen for Level 23 – [[7,6,5][1,4,2][0,8,3]]

Generated Nodes :

[[7,6,5][0,4,2][1,8,3]] – $f(n) = 23 + 7 = 30$
[[7,6,5][1,4,2][8,0,3]] – Already visited Node!

Node Chosen for Level 24 – [[1,4,7][8,5,2][3,0,6]]

Generated Nodes :

[[1,4,7][8,0,2][3,5,6]] – Already visited Node!
[[1,4,7][8,5,2][3,6,0]] – $f(n) = 24 + 6 = 30$
[[1,4,7][8,5,2][0,3,6]] – Already visited Node!

Node Chosen for Level 25 – [[5,2,4][1,7,6][3,8,0]]

Generated Nodes :

[[5,2,4][1,7,0][3,8,6]] – $f(n) = 25 + 6 = 31$
[[5,2,4][1,7,6][3,0,8]] – Already visited Node!

Node Chosen for Level 25 – [[5,2,0][4,8,1][7,6,3]]

Generated Nodes :

[[5,0,2][4,8,1][7,6,3]] – Already visited Node!
[[5,2,1][4,8,0][7,6,3]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[7,2,6][4,1,3][0,8,5]]

Generated Nodes :

[[7,2,6][0,1,3][4,8,5]] - $f(n) = 25 + 6 = 31$
[[7,2,6][4,1,3][8,0,5]] - Already visited Node!

Node Chosen for Level 24 - [[1,3,7][0,5,2][8,6,4]]

Generated Nodes :

[[0,3,7][1,5,2][8,6,4]] - Already visited Node!
[[1,3,7][5,0,2][8,6,4]] - Already visited Node!
[[1,3,7][8,5,2][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 23 - [[7,2,0][8,6,1][5,3,4]]

Generated Nodes :

[[7,0,2][8,6,1][5,3,4]] - Already visited Node!
[[7,2,1][8,6,0][5,3,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,0][6,7,1][5,3,4]]

Generated Nodes :

[[8,0,2][6,7,1][5,3,4]] - Already visited Node!
[[8,2,1][6,7,0][5,3,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,4][3,8,6][1,2,0]]

Generated Nodes :

[[7,5,4][3,8,0][1,2,6]] - Already visited Node!
[[7,5,4][3,8,6][1,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[1,3,7][0,5,2][8,6,4]]

Generated Nodes :

[[0,3,7][1,5,2][8,6,4]] - Already visited Node!
[[1,3,7][5,0,2][8,6,4]] - Already visited Node!
[[1,3,7][8,5,2][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[5,4,2][0,1,6][7,3,8]]

Generated Nodes :

[[0,4,2][5,1,6][7,3,8]] - $f(n) = 24 + 6 = 30$
[[5,4,2][1,0,6][7,3,8]] - $f(n) = 24 + 6 = 30$
[[5,4,2][7,1,6][0,3,8]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][6,0,5][3,4,1]]

Generated Nodes :

[[8,0,7][6,2,5][3,4,1]] - Already visited Node!
[[8,2,7][6,5,0][3,4,1]] - $f(n) = 23 + 6 = 29$
[[8,2,7][0,6,5][3,4,1]] - $f(n) = 23 + 7 = 30$
[[8,2,7][6,4,5][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,5][4,0,2][6,3,1]]

Generated Nodes :

[[8,0,5][4,7,2][6,3,1]] - $f(n) = 23 + 7 = 30$
[[8,7,5][4,2,0][6,3,1]] - $f(n) = 23 + 7 = 30$
[[8,7,5][0,4,2][6,3,1]] - Already visited Node!
[[8,7,5][4,3,2][6,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,5][4,3,2][0,6,1]]

Generated Nodes :

[[8,7,5][0,3,2][4,6,1]] - Already visited Node!
[[8,7,5][4,3,2][6,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,5][3,0,6][4,1,2]]

Generated Nodes :

[[8,0,5][3,7,6][4,1,2]] - $f(n) = 23 + 7 = 30$
[[8,7,5][3,6,0][4,1,2]] - Already visited Node!
[[8,7,5][0,3,6][4,1,2]] - $f(n) = 23 + 7 = 30$
[[8,7,5][3,1,6][4,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,8,5][7,2,6][1,4,0]]

Generated Nodes :

[[3,8,5][7,2,0][1,4,6]] - Already visited Node!
[[3,8,5][7,2,6][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,2][8,3,6][1,4,0]]

Generated Nodes :

[[7,5,2][8,3,0][1,4,6]] - Already visited Node!
[[7,5,2][8,3,6][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,3,5][8,2,6][1,4,0]]

Generated Nodes :

[[7,3,5][8,2,0][1,4,6]] - Already visited Node!
[[7,3,5][8,2,6][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,8,7][4,0,5][1,6,2]]$

Generated Nodes :

$[[3,0,7][4,8,5][1,6,2]] - f(n) = 23 + 7 = 30$
 $[[3,8,7][4,5,0][1,6,2]] - f(n) = 23 + 6 = 29$
 $[[3,8,7][0,4,5][1,6,2]] - \text{Already visited Node!}$
 $[[3,8,7][4,6,5][1,0,2]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,4,5][2,7,6][3,1,0]]$

Generated Nodes :

$[[8,4,5][2,7,0][3,1,6]] - \text{Already visited Node!}$
 $[[8,4,5][2,7,6][3,0,1]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[4,8,5][3,2,6][1,7,0]]$

Generated Nodes :

$[[4,8,5][3,2,0][1,7,6]] - \text{Already visited Node!}$
 $[[4,8,5][3,2,6][1,0,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[0,8,5][4,3,2][1,7,6]]$

Generated Nodes :

$[[8,0,5][4,3,2][1,7,6]] - f(n) = 23 + 7 = 30$
 $[[4,8,5][0,3,2][1,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,1,4][3,0,5][6,8,2]]$

Generated Nodes :

$[[7,0,4][3,1,5][6,8,2]] - f(n) = 23 + 7 = 30$
 $[[7,1,4][3,5,0][6,8,2]] - f(n) = 23 + 6 = 29$
 $[[7,1,4][0,3,5][6,8,2]] - f(n) = 23 + 7 = 30$
 $[[7,1,4][3,8,5][6,0,2]] - \text{Already visited Node!}$

Node Chosen for Level 23 - $[[7,1,4][8,0,6][3,2,5]]$

Generated Nodes :

$[[7,0,4][8,1,6][3,2,5]] - f(n) = 23 + 7 = 30$
 $[[7,1,4][8,6,0][3,2,5]] - \text{Already visited Node!}$
 $[[7,1,4][0,8,6][3,2,5]] - f(n) = 23 + 7 = 30$
 $[[7,1,4][8,2,6][3,0,5]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,4,5][6,3,1][0,8,2]]$

Generated Nodes :

[[7,4,5][0,3,1][6,8,2]] - Already visited Node!
[[7,4,5][6,3,1][8,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[0,5,2][4,7,1][8,3,6]]

Generated Nodes :

[[5,0,2][4,7,1][8,3,6]] - $f(n) = 23 + 7 = 30$
[[4,5,2][0,7,1][8,3,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,5,2][7,3,1][0,8,6]]

Generated Nodes :

[[4,5,2][0,3,1][7,8,6]] - $f(n) = 23 + 6 = 29$
[[4,5,2][7,3,1][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[4,2,1][7,0,5][8,3,6]]

Generated Nodes :

[[4,0,1][7,2,5][8,3,6]] - Already visited Node!
[[4,2,1][7,5,0][8,3,6]] - Already visited Node!
[[4,2,1][0,7,5][8,3,6]] - $f(n) = 23 + 7 = 30$
[[4,2,1][7,3,5][8,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,4,5][1,6,3][0,8,2]]

Generated Nodes :

[[7,4,5][0,6,3][1,8,2]] - $f(n) = 23 + 7 = 30$
[[7,4,5][1,6,3][8,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[7,5,8][3,2,6][1,4,0]]

Generated Nodes :

[[7,5,8][3,2,0][1,4,6]] - Already visited Node!
[[7,5,8][3,2,6][1,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,8,2][5,7,6][3,1,0]]

Generated Nodes :

[[4,8,2][5,7,0][3,1,6]] - Already visited Node!
[[4,8,2][5,7,6][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[4,7,8][5,2,6][3,1,0]]

Generated Nodes :

[[4,7,8][5,2,0][3,1,6]] - Already visited Node!
[[4,7,8][5,2,6][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,4,8][3,2,6][1,7,0]]

Generated Nodes :

[[5,4,8][3,2,0][1,7,6]] - Already visited Node!
[[5,4,8][3,2,6][1,0,7]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[5,8,7][4,0,2][3,1,6]]

Generated Nodes :

[[5,0,7][4,8,2][3,1,6]] - $f(n) = 23 + 7 = 30$
[[5,8,7][4,2,0][3,1,6]] - $f(n) = 23 + 7 = 30$
[[5,8,7][0,4,2][3,1,6]] - Already visited Node!
[[5,8,7][4,1,2][3,0,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,4,7][5,2,6][3,1,0]]

Generated Nodes :

[[8,4,7][5,2,0][3,1,6]] - Already visited Node!
[[8,4,7][5,2,6][3,0,1]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,2,0][8,1,4][5,3,6]]

Generated Nodes :

[[7,0,2][8,1,4][5,3,6]] - Already visited Node!
[[7,2,4][8,1,0][5,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,2,0][1,7,4][5,3,6]]

Generated Nodes :

[[8,0,2][1,7,4][5,3,6]] - Already visited Node!
[[8,2,4][1,7,0][5,3,6]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[8,7,2][1,4,6][5,3,0]]

Generated Nodes :

[[8,7,2][1,4,0][5,3,6]] - Already visited Node!
[[8,7,2][1,4,6][5,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[3,5,2][8,4,6][1,7,0]]

Generated Nodes :

[[3,5,2][8,4,0][1,7,6]] - Already visited Node!

$[[3,5,2][8,4,6][1,0,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,5,8][4,0,2][1,7,6]]$

Generated Nodes :

$[[3,0,8][4,5,2][1,7,6]] - f(n) = 23 + 6 = 29$
 $[[3,5,8][4,2,0][1,7,6]] - f(n) = 23 + 7 = 30$
 $[[3,5,8][0,4,2][1,7,6]] - \text{Already visited Node!}$
 $[[3,5,8][4,7,2][1,0,6]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,4,8][3,2,6][1,7,0]]$

Generated Nodes :

$[[5,4,8][3,2,0][1,7,6]] - \text{Already visited Node!}$
 $[[5,4,8][3,2,6][1,0,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,3,2][5,4,6][1,7,0]]$

Generated Nodes :

$[[8,3,2][5,4,0][1,7,6]] - \text{Already visited Node!}$
 $[[8,3,2][5,4,6][1,0,7]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[8,2,0][5,3,7][1,6,4]]$

Generated Nodes :

$[[8,0,2][5,3,7][1,6,4]] - \text{Already visited Node!}$
 $[[8,2,7][5,3,0][1,6,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,1,8][7,0,6][3,4,2]]$

Generated Nodes :

$[[5,0,8][7,1,6][3,4,2]] - f(n) = 23 + 7 = 30$
 $[[5,1,8][7,6,0][3,4,2]] - \text{Already visited Node!}$
 $[[5,1,8][0,7,6][3,4,2]] - f(n) = 23 + 7 = 30$
 $[[5,1,8][7,4,6][3,0,2]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][3,8,1][6,7,4]]$

Generated Nodes :

$[[5,0,2][3,8,1][6,7,4]] - \text{Already visited Node!}$
 $[[5,2,1][3,8,0][6,7,4]] - f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,2,7][8,0,5][1,6,4]]$

Generated Nodes :

$[[3,0,7][8,2,5][1,6,4]]$ - Already visited Node!
 $[[3,2,7][8,5,0][1,6,4]]$ - $f(n) = 23 + 6 = 29$
 $[[3,2,7][0,8,5][1,6,4]]$ - $f(n) = 23 + 7 = 30$
 $[[3,2,7][8,6,5][1,0,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[3,7,5][8,0,6][1,4,2]]$

Generated Nodes :

$[[3,0,5][8,7,6][1,4,2]]$ - $f(n) = 23 + 7 = 30$
 $[[3,7,5][8,6,0][1,4,2]]$ - Already visited Node!
 $[[3,7,5][0,8,6][1,4,2]]$ - $f(n) = 23 + 7 = 30$
 $[[3,7,5][8,4,6][1,0,2]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,8,5][3,4,6][1,2,0]]$

Generated Nodes :

$[[7,8,5][3,4,0][1,2,6]]$ - Already visited Node!
 $[[7,8,5][3,4,6][1,0,2]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,5,2][1,0,4][6,8,3]]$

Generated Nodes :

$[[7,0,2][1,5,4][6,8,3]]$ - $f(n) = 23 + 6 = 29$
 $[[7,5,2][1,4,0][6,8,3]]$ - $f(n) = 23 + 7 = 30$
 $[[7,5,2][0,1,4][6,8,3]]$ - Already visited Node!
 $[[7,5,2][1,8,4][6,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,0][7,1,8][6,3,4]]$

Generated Nodes :

$[[5,0,2][7,1,8][6,3,4]]$ - Already visited Node!
 $[[5,2,8][7,1,0][6,3,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,2][1,4,3][6,8,0]]$

Generated Nodes :

$[[7,5,2][1,4,0][6,8,3]]$ - $f(n) = 23 + 7 = 30$
 $[[7,5,2][1,4,3][6,0,8]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,6,5][3,4,2][1,8,0]]$

Generated Nodes :

$[[7,6,5][3,4,0][1,8,2]]$ - $f(n) = 23 + 7 = 30$
 $[[7,6,5][3,4,2][1,0,8]]$ - Already visited Node!

Node Chosen for Level 23 - $[[8,7,5][1,4,6][3,2,0]]$

Generated Nodes :

[[8,7,5][1,4,0][3,2,6]] - Already visited Node!
[[8,7,5][1,4,6][3,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[8,2,7][3,0,5][6,1,4]]

Generated Nodes :

[[8,0,7][3,2,5][6,1,4]] - Already visited Node!
[[8,2,7][3,5,0][6,1,4]] - $f(n) = 23 + 6 = 29$
[[8,2,7][0,3,5][6,1,4]] - $f(n) = 23 + 7 = 30$
[[8,2,7][3,1,5][6,0,4]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,5,4][8,1,6][3,2,0]]

Generated Nodes :

[[7,5,4][8,1,0][3,2,6]] - Already visited Node!
[[7,5,4][8,1,6][3,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,1,5][3,0,4][2,8,6]]

Generated Nodes :

[[7,0,5][3,1,4][2,8,6]] - $f(n) = 23 + 7 = 30$
[[7,1,5][3,4,0][2,8,6]] - $f(n) = 23 + 7 = 30$
[[7,1,5][0,3,4][2,8,6]] - $f(n) = 23 + 7 = 30$
[[7,1,5][3,8,4][2,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,1,5][2,4,6][8,3,0]]

Generated Nodes :

[[7,1,5][2,4,0][8,3,6]] - Already visited Node!
[[7,1,5][2,4,6][8,0,3]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - [[7,1,5][2,3,4][0,8,6]]

Generated Nodes :

[[7,1,5][0,3,4][2,8,6]] - $f(n) = 23 + 7 = 30$
[[7,1,5][2,3,4][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,1,5][6,2,4][0,8,3]]

Generated Nodes :

[[7,1,5][0,2,4][6,8,3]] - $f(n) = 23 + 7 = 30$
[[7,1,5][6,2,4][8,0,3]] - Already visited Node!

Node Chosen for Level 23 - $[[5,2,0][3,8,1][6,7,4]]$

Generated Nodes :

 $[[5,0,2][3,8,1][6,7,4]]$ - Already visited Node!
 $[[5,2,1][3,8,0][6,7,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,2,0][7,3,8][6,4,1]]$

Generated Nodes :

 $[[5,0,2][7,3,8][6,4,1]]$ - Already visited Node!
 $[[5,2,8][7,3,0][6,4,1]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,6,2][7,1,4][0,8,3]]$

Generated Nodes :

 $[[5,6,2][0,1,4][7,8,3]]$ - $f(n) = 23 + 6 = 29$
 $[[5,6,2][7,1,4][8,0,3]]$ - Already visited Node!

Node Chosen for Level 23 - $[[6,2,0][5,7,1][8,3,4]]$

Generated Nodes :

 $[[6,0,2][5,7,1][8,3,4]]$ - Already visited Node!
 $[[6,2,1][5,7,0][8,3,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[7,5,2][6,4,3][0,8,1]]$

Generated Nodes :

 $[[7,5,2][0,4,3][6,8,1]]$ - $f(n) = 23 + 7 = 30$
 $[[7,5,2][6,4,3][8,0,1]]$ - Already visited Node!

Node Chosen for Level 23 - $[[5,2,0][8,1,7][3,6,4]]$

Generated Nodes :

 $[[5,0,2][8,1,7][3,6,4]]$ - Already visited Node!
 $[[5,2,7][8,1,0][3,6,4]]$ - $f(n) = 23 + 7 = 30$

Node Chosen for Level 23 - $[[5,3,1][7,6,2][0,8,4]]$

Generated Nodes :

 $[[5,3,1][0,6,2][7,8,4]]$ - $f(n) = 23 + 6 = 29$
 $[[5,3,1][7,6,2][8,0,4]]$ - Already visited Node!

Node Chosen for Level 23 - $[[7,4,5][1,6,3][0,8,2]]$

Generated Nodes :

[[7,4,5][0,6,3][1,8,2]] - $f(n) = 23 + 7 = 30$
[[7,4,5][1,6,3][8,0,2]] - Already visited Node!

Node Chosen for Level 23 - [[7,3,5][1,2,4][0,8,6]]

Generated Nodes :

[[7,3,5][0,2,4][1,8,6]] - $f(n) = 23 + 7 = 30$
[[7,3,5][1,2,4][8,0,6]] - Already visited Node!

Node Chosen for Level 23 - [[7,3,5][1,0,6][8,4,2]]

Generated Nodes :

[[7,0,5][1,3,6][8,4,2]] - $f(n) = 23 + 7 = 30$
[[7,3,5][1,6,0][8,4,2]] - Already visited Node!
[[7,3,5][0,1,6][8,4,2]] - $f(n) = 23 + 7 = 30$
[[7,3,5][1,4,6][8,0,2]] - $f(n) = 23 + 7 = 30$

Node Chosen for Level 24 - [[4,0,2][7,5,3][1,8,6]]

Generated Nodes :

[[4,2,0][7,5,3][1,8,6]] - $f(n) = 24 + 5 = 29$
[[0,4,2][7,5,3][1,8,6]] - $f(n) = 24 + 6 = 30$
[[4,5,2][7,0,3][1,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,3][7,2,5][1,8,6]]

Generated Nodes :

[[4,3,0][7,2,5][1,8,6]] - Already visited Node!
[[0,4,3][7,2,5][1,8,6]] - $f(n) = 24 + 6 = 30$
[[4,2,3][7,0,5][1,8,6]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - [[8,0,2][4,5,1][3,6,7]]

Generated Nodes :

[[8,2,0][4,5,1][3,6,7]] - $f(n) = 24 + 5 = 29$
[[0,8,2][4,5,1][3,6,7]] - $f(n) = 24 + 6 = 30$
[[8,5,2][4,0,1][3,6,7]] - Already visited Node!

Node Chosen for Level 24 - [[8,0,1][4,5,7][3,6,2]]

Generated Nodes :

[[8,1,0][4,5,7][3,6,2]] - Already visited Node!
[[0,8,1][4,5,7][3,6,2]] - $f(n) = 24 + 6 = 30$
[[8,5,1][4,0,7][3,6,2]] - Already visited Node!

Node Chosen for Level 24 - $[[8,4,1][0,5,2][7,3,6]]$

Generated Nodes :

 $[[0,4,1][8,5,2][7,3,6]] - f(n) = 24 + 6 = 30$
 $[[8,4,1][5,0,2][7,3,6]] - \text{Already visited Node!}$
 $[[8,4,1][7,5,2][0,3,6]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[8,1,2][0,5,3][7,6,4]]$

Generated Nodes :

 $[[0,1,2][8,5,3][7,6,4]] - f(n) = 24 + 6 = 30$
 $[[8,1,2][5,0,3][7,6,4]] - \text{Already visited Node!}$
 $[[8,1,2][7,5,3][0,6,4]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[1,5,8][0,3,2][7,6,4]]$

Generated Nodes :

 $[[0,5,8][1,3,2][7,6,4]] - \text{Already visited Node!}$
 $[[1,5,8][3,0,2][7,6,4]] - f(n) = 24 + 6 = 30$
 $[[1,5,8][7,3,2][0,6,4]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - $[[1,5,2][0,8,3][7,6,4]]$

Generated Nodes :

 $[[0,5,2][1,8,3][7,6,4]] - \text{Already visited Node!}$
 $[[1,5,2][8,0,3][7,6,4]] - f(n) = 24 + 6 = 30$
 $[[1,5,2][7,8,3][0,6,4]] - f(n) = 24 + 7 = 31$

Node Chosen for Level 25 - $[[4,2,0][5,7,6][1,8,3]]$

Generated Nodes :

 $[[4,0,2][5,7,6][1,8,3]] - \text{Already visited Node!}$
 $[[4,2,6][5,7,0][1,8,3]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - $[[4,0,2][7,5,3][1,8,6]]$

Generated Nodes :

 $[[4,2,0][7,5,3][1,8,6]] - f(n) = 24 + 5 = 29$
 $[[0,4,2][7,5,3][1,8,6]] - f(n) = 24 + 6 = 30$
 $[[4,5,2][7,0,3][1,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[4,0,3][7,2,5][1,8,6]]$

Generated Nodes :

 $[[4,3,0][7,2,5][1,8,6]] - \text{Already visited Node!}$

$[[0,4,3][7,2,5][1,8,6]] - f(n) = 24 + 6 = 30$
 $[[4,2,3][7,0,5][1,8,6]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[8,2,4][0,5,1][3,6,7]]$

Generated Nodes :

$[[0,2,4][8,5,1][3,6,7]] - f(n) = 24 + 6 = 30$
 $[[8,2,4][5,0,1][3,6,7]] - \text{Already visited Node!}$
 $[[8,2,4][3,5,1][0,6,7]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[5,0,3][7,1,2][6,8,4]]$

Generated Nodes :

$[[5,3,0][7,1,2][6,8,4]] - \text{Already visited Node!}$
 $[[0,5,3][7,1,2][6,8,4]] - f(n) = 24 + 6 = 30$
 $[[5,1,3][7,0,2][6,8,4]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - $[[3,5,2][1,4,6][7,8,0]]$

Generated Nodes :

$[[3,5,2][1,4,0][7,8,6]] - \text{Already visited Node!}$
 $[[3,5,2][1,4,6][7,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[3,5,1][4,0,2][7,8,6]]$

Generated Nodes :

$[[3,0,1][4,5,2][7,8,6]] - f(n) = 25 + 4 = 29$
 $[[3,5,1][4,2,0][7,8,6]] - f(n) = 25 + 5 = 30$
 $[[3,5,1][0,4,2][7,8,6]] - \text{Already visited Node!}$
 $[[3,5,1][4,8,2][7,0,6]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[5,4,1][3,2,6][7,8,0]]$

Generated Nodes :

$[[5,4,1][3,2,0][7,8,6]] - \text{Already visited Node!}$
 $[[5,4,1][3,2,6][7,0,8]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - $[[1,5,2][0,6,8][7,3,4]]$

Generated Nodes :

$[[0,5,2][1,6,8][7,3,4]] - f(n) = 24 + 7 = 31$
 $[[1,5,2][6,0,8][7,3,4]] - f(n) = 24 + 6 = 30$
 $[[1,5,2][7,6,8][0,3,4]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[1,8,5][0,2,4][7,3,6]]$

Generated Nodes :

[[0,8,5][1,2,4][7,3,6]] - $f(n) = 24 + 7 = 31$
[[1,8,5][2,0,4][7,3,6]] - $f(n) = 24 + 6 = 30$
[[1,8,5][7,2,4][0,3,6]] - Already visited Node!

Node Chosen for Level 25 - [[8,2,0][5,1,6][7,4,3]]

Generated Nodes :

[[8,0,2][5,1,6][7,4,3]] - Already visited Node!
[[8,2,6][5,1,0][7,4,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,5,2][4,3,7][0,8,6]]

Generated Nodes :

[[1,5,2][0,3,7][4,8,6]] - $f(n) = 25 + 6 = 31$
[[1,5,2][4,3,7][8,0,6]] - Already visited Node!

Node Chosen for Level 25 - [[1,7,5][4,6,3][0,8,2]]

Generated Nodes :

[[1,7,5][0,6,3][4,8,2]] - $f(n) = 25 + 6 = 31$
[[1,7,5][4,6,3][8,0,2]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,1][0,5,4][3,7,6]]

Generated Nodes :

[[0,2,1][8,5,4][3,7,6]] - $f(n) = 24 + 6 = 30$
[[8,2,1][5,0,4][3,7,6]] - Already visited Node!
[[8,2,1][3,5,4][0,7,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,0,8][4,5,1][3,6,2]]

Generated Nodes :

[[7,8,0][4,5,1][3,6,2]] - $f(n) = 24 + 6 = 30$
[[0,7,8][4,5,1][3,6,2]] - $f(n) = 24 + 6 = 30$
[[7,5,8][4,0,1][3,6,2]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,8][0,6,3][7,1,4]]

Generated Nodes :

[[0,2,8][5,6,3][7,1,4]] - $f(n) = 24 + 6 = 30$
[[5,2,8][6,0,3][7,1,4]] - $f(n) = 24 + 6 = 30$
[[5,2,8][7,6,3][0,1,4]] - Already visited Node!

Node Chosen for Level 24 - [[5,2,8][0,3,4][7,1,6]]

Generated Nodes :

[[0,2,8][5,3,4][7,1,6]] - $f(n) = 24 + 6 = 30$
[[5,2,8][3,0,4][7,1,6]] - $f(n) = 24 + 6 = 30$
[[5,2,8][7,3,4][0,1,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,0,5][7,4,6][8,3,2]]

Generated Nodes :

[[1,5,0][7,4,6][8,3,2]] - $f(n) = 24 + 6 = 30$
[[0,1,5][7,4,6][8,3,2]] - Already visited Node!
[[1,4,5][7,0,6][8,3,2]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,4][8,5,0][3,2,6]]

Generated Nodes :

[[1,7,0][8,5,4][3,2,6]] - $f(n) = 24 + 6 = 30$
[[1,7,4][8,0,5][3,2,6]] - Already visited Node!
[[1,7,4][8,5,6][3,2,0]] - $f(n) = 24 + 5 = 29$

Node Chosen for Level 25 - [[4,2,0][3,7,6][5,8,1]]

Generated Nodes :

[[4,0,2][3,7,6][5,8,1]] - Already visited Node!
[[4,2,6][3,7,0][5,8,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[3,8,2][0,5,4][7,1,6]]

Generated Nodes :

[[0,8,2][3,5,4][7,1,6]] - $f(n) = 24 + 6 = 30$
[[3,8,2][5,0,4][7,1,6]] - Already visited Node!
[[3,8,2][7,5,4][0,1,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[5,0,3][8,4,2][7,1,6]]

Generated Nodes :

[[5,3,0][8,4,2][7,1,6]] - Already visited Node!
[[0,5,3][8,4,2][7,1,6]] - $f(n) = 24 + 6 = 30$
[[5,4,3][8,0,2][7,1,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[7,2,1][4,0,6][8,3,5]]

Generated Nodes :

[[7,0,1][4,2,6][8,3,5]] - $f(n) = 25 + 6 = 31$
[[7,2,1][4,6,0][8,3,5]] - $f(n) = 25 + 6 = 31$

[[7,2,1][0,4,6][8,3,5]] - Already visited Node!
[[7,2,1][4,3,6][8,0,5]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[1,2,0][8,7,6][3,4,5]]

Generated Nodes :

[[1,0,2][8,7,6][3,4,5]] - Already visited Node!
[[1,2,6][8,7,0][3,4,5]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,7,2][4,0,6][8,3,5]]

Generated Nodes :

[[1,0,2][4,7,6][8,3,5]] - $f(n) = 25 + 5 = 30$
[[1,7,2][4,6,0][8,3,5]] - $f(n) = 25 + 6 = 31$
[[1,7,2][0,4,6][8,3,5]] - Already visited Node!
[[1,7,2][4,3,6][8,0,5]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[7,2,1][3,0,6][4,8,5]]

Generated Nodes :

[[7,0,1][3,2,6][4,8,5]] - $f(n) = 25 + 6 = 31$
[[7,2,1][3,6,0][4,8,5]] - $f(n) = 25 + 6 = 31$
[[7,2,1][0,3,6][4,8,5]] - $f(n) = 25 + 5 = 30$
[[7,2,1][3,8,6][4,0,5]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,1][4,0,6][8,3,5]]

Generated Nodes :

[[7,0,1][4,2,6][8,3,5]] - $f(n) = 25 + 6 = 31$
[[7,2,1][4,6,0][8,3,5]] - $f(n) = 25 + 6 = 31$
[[7,2,1][0,4,6][8,3,5]] - Already visited Node!
[[7,2,1][4,3,6][8,0,5]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - [[1,4,5][0,8,2][7,3,6]]

Generated Nodes :

[[0,4,5][1,8,2][7,3,6]] - Already visited Node!
[[1,4,5][8,0,2][7,3,6]] - $f(n) = 24 + 6 = 30$
[[1,4,5][7,8,2][0,3,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 - [[4,1,8][0,5,2][7,3,6]]

Generated Nodes :

[[0,1,8][4,5,2][7,3,6]] - Already visited Node!
[[4,1,8][5,0,2][7,3,6]] - Already visited Node!
[[4,1,8][7,5,2][0,3,6]] - $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[8,6,2][0,5,1][7,3,4]]

Generated Nodes :

[[0,6,2][8,5,1][7,3,4]] – $f(n) = 24 + 6 = 30$
[[8,6,2][5,0,1][7,3,4]] – Already visited Node!
[[8,6,2][7,5,1][0,3,4]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 24 – [[8,6,2][0,5,1][7,3,4]]

Generated Nodes :

[[0,6,2][8,5,1][7,3,4]] – $f(n) = 24 + 6 = 30$
[[8,6,2][5,0,1][7,3,4]] – Already visited Node!
[[8,6,2][7,5,1][0,3,4]] – $f(n) = 24 + 7 = 31$

Node Chosen for Level 25 – [[3,7,5][4,0,6][2,8,1]]

Generated Nodes :

[[3,0,5][4,7,6][2,8,1]] – $f(n) = 25 + 5 = 30$
[[3,7,5][4,6,0][2,8,1]] – $f(n) = 25 + 6 = 31$
[[3,7,5][0,4,6][2,8,1]] – Already visited Node!
[[3,7,5][4,8,6][2,0,1]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[8,2,0][5,1,6][7,4,3]]

Generated Nodes :

[[8,0,2][5,1,6][7,4,3]] – Already visited Node!
[[8,2,6][5,1,0][7,4,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[4,2,5][7,0,6][1,8,3]]

Generated Nodes :

[[4,0,5][7,2,6][1,8,3]] – Already visited Node!
[[4,2,5][7,6,0][1,8,3]] – $f(n) = 25 + 6 = 31$
[[4,2,5][0,7,6][1,8,3]] – $f(n) = 25 + 5 = 30$
[[4,2,5][7,8,6][1,0,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[4,2,5][7,0,6][1,8,3]]

Generated Nodes :

[[4,0,5][7,2,6][1,8,3]] – Already visited Node!
[[4,2,5][7,6,0][1,8,3]] – $f(n) = 25 + 6 = 31$
[[4,2,5][0,7,6][1,8,3]] – $f(n) = 25 + 5 = 30$
[[4,2,5][7,8,6][1,0,3]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[8,5,2][4,1,6][7,3,0]]

Generated Nodes :

[[8,5,2][4,1,0][7,3,6]] - Already visited Node!
[[8,5,2][4,1,6][7,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[8,1,5][4,2,6][7,3,0]]

Generated Nodes :

[[8,1,5][4,2,0][7,3,6]] - Already visited Node!
[[8,1,5][4,2,6][7,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,4][6,3,1][7,8,0]]

Generated Nodes :

[[5,2,4][6,3,0][7,8,1]] - $f(n) = 25 + 5 = 30$
[[5,2,4][6,3,1][7,0,8]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,1][3,5,7][6,0,4]]

Generated Nodes :

[[8,2,1][3,0,7][6,5,4]] - Already visited Node!
[[8,2,1][3,5,7][6,4,0]] - $f(n) = 24 + 6 = 30$
[[8,2,1][3,5,7][0,6,4]] - Already visited Node!

Node Chosen for Level 24 - [[3,2,8][0,5,7][1,6,4]]

Generated Nodes :

[[0,2,8][3,5,7][1,6,4]] - $f(n) = 24 + 6 = 30$
[[3,2,8][5,0,7][1,6,4]] - Already visited Node!
[[3,2,8][1,5,7][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[1,5,4][2,8,6][7,3,0]]

Generated Nodes :

[[1,5,4][2,8,0][7,3,6]] - Already visited Node!
[[1,5,4][2,8,6][7,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[6,7,2][4,5,1][0,8,3]]

Generated Nodes :

[[6,7,2][0,5,1][4,8,3]] - Already visited Node!
[[6,7,2][4,5,1][8,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[3,2,0][5,4,6][7,1,8]]

Generated Nodes :

[[3,0,2][5,4,6][7,1,8]] - Already visited Node!
[[3,2,6][5,4,0][7,1,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 24 - [[7,0,2][4,5,8][1,3,6]]

Generated Nodes :

[[7,2,0][4,5,8][1,3,6]] - $f(n) = 24 + 5 = 29$
[[0,7,2][4,5,8][1,3,6]] - $f(n) = 24 + 6 = 30$
[[7,5,2][4,0,8][1,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[2,4,8][0,5,6][3,7,1]]

Generated Nodes :

[[0,4,8][2,5,6][3,7,1]] - $f(n) = 24 + 6 = 30$
[[2,4,8][5,0,6][3,7,1]] - Already visited Node!
[[2,4,8][3,5,6][0,7,1]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[5,2,0][8,1,6][7,3,4]]

Generated Nodes :

[[5,0,2][8,1,6][7,3,4]] - $f(n) = 25 + 6 = 31$
[[5,2,6][8,1,0][7,3,4]] - Already visited Node!

Node Chosen for Level 24 - [[8,0,2][3,5,6][1,7,4]]

Generated Nodes :

[[8,2,0][3,5,6][1,7,4]] - $f(n) = 24 + 5 = 29$
[[0,8,2][3,5,6][1,7,4]] - $f(n) = 24 + 6 = 30$
[[8,5,2][3,0,6][1,7,4]] - Already visited Node!

Node Chosen for Level 24 - [[4,2,8][0,1,5][7,3,6]]

Generated Nodes :

[[0,2,8][4,1,5][7,3,6]] - $f(n) = 24 + 5 = 29$
[[4,2,8][1,0,5][7,3,6]] - $f(n) = 24 + 6 = 30$
[[4,2,8][7,1,5][0,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,2][7,5,6][8,1,3]]

Generated Nodes :

[[4,2,0][7,5,6][8,1,3]] - $f(n) = 24 + 5 = 29$
[[0,4,2][7,5,6][8,1,3]] - $f(n) = 24 + 6 = 30$
[[4,5,2][7,0,6][8,1,3]] - Already visited Node!

Node Chosen for Level 24 – [[8,2,4][0,5,3][1,7,6]]

Generated Nodes :

[[0,2,4][8,5,3][1,7,6]] – $f(n) = 24 + 6 = 30$
[[8,2,4][5,0,3][1,7,6]] – Already visited Node!
[[8,2,4][1,5,3][0,7,6]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[1,3,5][0,7,2][6,8,4]]

Generated Nodes :

[[0,3,5][1,7,2][6,8,4]] – Already visited Node!
[[1,3,5][7,0,2][6,8,4]] – Already visited Node!
[[1,3,5][6,7,2][0,8,4]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[1,8,5][0,7,6][3,4,2]]

Generated Nodes :

[[0,8,5][1,7,6][3,4,2]] – Already visited Node!
[[1,8,5][7,0,6][3,4,2]] – Already visited Node!
[[1,8,5][3,7,6][0,4,2]] – $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[7,0,2][1,5,4][6,8,3]]

Generated Nodes :

[[7,2,0][1,5,4][6,8,3]] – $f(n) = 24 + 5 = 29$
[[0,7,2][1,5,4][6,8,3]] – $f(n) = 24 + 6 = 30$
[[7,5,2][1,0,4][6,8,3]] – Already visited Node!

Node Chosen for Level 25 – [[5,2,4][6,3,1][7,8,0]]

Generated Nodes :

[[5,2,4][6,3,0][7,8,1]] – $f(n) = 25 + 5 = 30$
[[5,2,4][6,3,1][7,0,8]] – Already visited Node!

Node Chosen for Level 25 – [[8,7,2][4,5,6][0,1,3]]

Generated Nodes :

[[8,7,2][0,5,6][4,1,3]] – Already visited Node!
[[8,7,2][4,5,6][1,0,3]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[5,2,1][8,4,6][7,3,0]]

Generated Nodes :

[[5,2,1][8,4,0][7,3,6]] – Already visited Node!
[[5,2,1][8,4,6][7,0,3]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - $[[1,4,3][5,2,6][7,8,0]]$

Generated Nodes :

$[[1,4,3][5,2,0][7,8,6]]$ - Already visited Node!
 $[[1,4,3][5,2,6][7,0,8]]$ - $f(n) = 27 + 4 = 31$

Node Chosen for Level 26 - $[[1,0,2][4,5,6][8,7,3]]$

Generated Nodes :

$[[1,2,0][4,5,6][8,7,3]]$ - $f(n) = 26 + 3 = 29$
 $[[0,1,2][4,5,6][8,7,3]]$ - $f(n) = 26 + 5 = 31$
 $[[1,5,2][4,0,6][8,7,3]]$ - Already visited Node!

Node Chosen for Level 25 - $[[4,2,8][5,0,6][7,3,1]]$

Generated Nodes :

$[[4,0,8][5,2,6][7,3,1]]$ - Already visited Node!
 $[[4,2,8][5,6,0][7,3,1]]$ - $f(n) = 25 + 6 = 31$
 $[[4,2,8][0,5,6][7,3,1]]$ - $f(n) = 25 + 4 = 29$
 $[[4,2,8][5,3,6][7,0,1]]$ - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[4,2,8][5,0,6][7,3,1]]$

Generated Nodes :

$[[4,0,8][5,2,6][7,3,1]]$ - Already visited Node!
 $[[4,2,8][5,6,0][7,3,1]]$ - $f(n) = 25 + 6 = 31$
 $[[4,2,8][0,5,6][7,3,1]]$ - $f(n) = 25 + 4 = 29$
 $[[4,2,8][5,3,6][7,0,1]]$ - $f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - $[[1,0,2][8,5,6][7,4,3]]$

Generated Nodes :

$[[1,2,0][8,5,6][7,4,3]]$ - $f(n) = 26 + 3 = 29$
 $[[0,1,2][8,5,6][7,4,3]]$ - Already visited Node!
 $[[1,5,2][8,0,6][7,4,3]]$ - Already visited Node!

Node Chosen for Level 26 - $[[4,2,8][0,5,6][7,3,1]]$

Generated Nodes :

$[[0,2,8][4,5,6][7,3,1]]$ - $f(n) = 26 + 3 = 29$
 $[[4,2,8][5,0,6][7,3,1]]$ - Already visited Node!
 $[[4,2,8][7,5,6][0,3,1]]$ - Already visited Node!

Node Chosen for Level 25 - $[[4,2,0][5,6,1][7,8,3]]$

Generated Nodes :

[[4,0,2][5,6,1][7,8,3]] - Already visited Node!
[[4,2,1][5,6,0][7,8,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,0][6,4,1][7,8,3]]

Generated Nodes :

[[5,0,2][6,4,1][7,8,3]] - Already visited Node!
[[5,2,1][6,4,0][7,8,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[4,1,5][3,2,6][7,8,0]]

Generated Nodes :

[[4,1,5][3,2,0][7,8,6]] - Already visited Node!
[[4,1,5][3,2,6][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[6,2,0][5,3,1][7,8,4]]

Generated Nodes :

[[6,0,2][5,3,1][7,8,4]] - Already visited Node!
[[6,2,1][5,3,0][7,8,4]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,0][3,6,1][7,8,4]]

Generated Nodes :

[[5,0,2][3,6,1][7,8,4]] - Already visited Node!
[[5,2,1][3,6,0][7,8,4]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[7,1,2][4,5,6][8,3,0]]

Generated Nodes :

[[7,1,2][4,5,0][8,3,6]] - Already visited Node!
[[7,1,2][4,5,6][8,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,4,1][3,2,6][7,8,0]]

Generated Nodes :

[[5,4,1][3,2,0][7,8,6]] - Already visited Node!
[[5,4,1][3,2,6][7,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[5,2,3][7,6,1][0,8,4]]

Generated Nodes :

[[5,2,3][0,6,1][7,8,4]] - $f(n) = 25 + 4 = 29$

[[5,2,3][7,6,1][8,0,4]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,3][7,1,4][0,8,6]]

Generated Nodes :

[[5,2,3][0,1,4][7,8,6]] - $f(n) = 25 + 4 = 29$

[[5,2,3][7,1,4][8,0,6]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,0][6,1,3][7,8,4]]

Generated Nodes :

[[5,0,2][6,1,3][7,8,4]] - Already visited Node!

[[5,2,3][6,1,0][7,8,4]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - [[5,2,3][7,6,1][0,8,4]]

Generated Nodes :

[[5,2,3][0,6,1][7,8,4]] - $f(n) = 25 + 4 = 29$

[[5,2,3][7,6,1][8,0,4]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,3][7,1,4][0,8,6]]

Generated Nodes :

[[5,2,3][0,1,4][7,8,6]] - $f(n) = 25 + 4 = 29$

[[5,2,3][7,1,4][8,0,6]] - Already visited Node!

Node Chosen for Level 27 - [[1,8,2][4,5,6][7,3,0]]

Generated Nodes :

[[1,8,2][4,5,0][7,3,6]] - Already visited Node!

[[1,8,2][4,5,6][7,0,3]] - $f(n) = 27 + 3 = 30$

Node Chosen for Level 27 - [[1,5,2][4,3,6][7,8,0]]

Generated Nodes :

[[1,5,2][4,3,0][7,8,6]] - Already visited Node!

[[1,5,2][4,3,6][7,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[1,3,5][4,2,6][7,8,0]]

Generated Nodes :

[[1,3,5][4,2,0][7,8,6]] - Already visited Node!

[[1,3,5][4,2,6][7,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 25 - [[7,2,0][3,4,6][1,8,5]]

Generated Nodes :

[[7,0,2][3,4,6][1,8,5]] - $f(n) = 25 + 6 = 31$
[[7,2,6][3,4,0][1,8,5]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,0][4,8,6][3,5,1]]

Generated Nodes :

[[7,0,2][4,8,6][3,5,1]] - Already visited Node!
[[7,2,6][4,8,0][3,5,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[7,2,1][5,4,6][0,8,3]]

Generated Nodes :

[[7,2,1][0,4,6][5,8,3]] - $f(n) = 25 + 5 = 30$
[[7,2,1][5,4,6][8,0,3]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,0][4,8,6][1,7,3]]

Generated Nodes :

[[5,0,2][4,8,6][1,7,3]] - Already visited Node!
[[5,2,6][4,8,0][1,7,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,5,2][7,4,6][3,8,0]]

Generated Nodes :

[[1,5,2][7,4,0][3,8,6]] - Already visited Node!
[[1,5,2][7,4,6][3,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - [[3,2,4][1,5,6][7,0,8]]

Generated Nodes :

[[3,2,4][1,0,6][7,5,8]] - $f(n) = 26 + 5 = 31$
[[3,2,4][1,5,6][7,8,0]] - $f(n) = 26 + 3 = 29$
[[3,2,4][1,5,6][0,7,8]] - Already visited Node!

Node Chosen for Level 27 - [[3,2,4][1,5,6][7,8,0]]

Generated Nodes :

[[3,2,4][1,5,0][7,8,6]] - Already visited Node!
[[3,2,4][1,5,6][7,0,8]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,5][4,8,6][0,3,1]]

Generated Nodes :

[[7,2,5][0,8,6][4,3,1]] - Already visited Node!
[[7,2,5][4,8,6][3,0,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[3,2,0][4,7,6][5,1,8]]

Generated Nodes :

[[3,0,2][4,7,6][5,1,8]] - Already visited Node!
[[3,2,6][4,7,0][5,1,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[3,7,2][4,1,6][5,8,0]]

Generated Nodes :

[[3,7,2][4,1,0][5,8,6]] - $f(n) = 25 + 6 = 31$
[[3,7,2][4,1,6][5,0,8]] - Already visited Node!

Node Chosen for Level 25 - [[5,2,1][7,0,6][4,8,3]]

Generated Nodes :

[[5,0,1][7,2,6][4,8,3]] - $f(n) = 25 + 6 = 31$
[[5,2,1][7,6,0][4,8,3]] - Already visited Node!
[[5,2,1][0,7,6][4,8,3]] - $f(n) = 25 + 5 = 30$
[[5,2,1][7,8,6][4,0,3]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[7,2,0][3,1,6][5,8,4]]

Generated Nodes :

[[7,0,2][3,1,6][5,8,4]] - $f(n) = 25 + 6 = 31$
[[7,2,6][3,1,0][5,8,4]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,1][3,4,6][5,8,0]]

Generated Nodes :

[[7,2,1][3,4,0][5,8,6]] - Already visited Node!
[[7,2,1][3,4,6][5,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[7,3,5][4,2,6][0,8,1]]

Generated Nodes :

[[7,3,5][0,2,6][4,8,1]] - $f(n) = 25 + 6 = 31$
[[7,3,5][4,2,6][8,0,1]] - Already visited Node!

Node Chosen for Level 25 - [[5,3,7][4,2,6][1,8,0]]

Generated Nodes :

[[5,3,7][4,2,0][1,8,6]] - Already visited Node!
[[5,3,7][4,2,6][1,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[1,4,7][5,2,6][0,8,3]]

Generated Nodes :

[[1,4,7][0,2,6][5,8,3]] - $f(n) = 25 + 5 = 30$
[[1,4,7][5,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 24 - [[4,0,2][1,5,8][7,3,6]]

Generated Nodes :

[[4,2,0][1,5,8][7,3,6]] - $f(n) = 24 + 5 = 29$
[[0,4,2][1,5,8][7,3,6]] - $f(n) = 24 + 6 = 30$
[[4,5,2][1,0,8][7,3,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,8,4][7,5,0][3,6,2]]

Generated Nodes :

[[1,8,0][7,5,4][3,6,2]] - $f(n) = 24 + 6 = 30$
[[1,8,4][7,0,5][3,6,2]] - Already visited Node!
[[1,8,4][7,5,2][3,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[8,3,2][1,5,4][7,0,6]]

Generated Nodes :

[[8,3,2][1,0,4][7,5,6]] - $f(n) = 24 + 7 = 31$
[[8,3,2][1,5,4][7,6,0]] - $f(n) = 24 + 6 = 30$
[[8,3,2][1,5,4][0,7,6]] - Already visited Node!

Node Chosen for Level 24 - [[1,7,8][0,5,2][3,6,4]]

Generated Nodes :

[[0,7,8][1,5,2][3,6,4]] - Already visited Node!
[[1,7,8][5,0,2][3,6,4]] - Already visited Node!
[[1,7,8][3,5,2][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,8][0,5,2][3,6,4]]

Generated Nodes :

[[0,7,8][1,5,2][3,6,4]] - Already visited Node!
[[1,7,8][5,0,2][3,6,4]] - Already visited Node!
[[1,7,8][3,5,2][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,0,8][5,6,2][7,3,4]]

Generated Nodes :

[[1,8,0][5,6,2][7,3,4]] - $f(n) = 24 + 6 = 30$
[[0,1,8][5,6,2][7,3,4]] - Already visited Node!
[[1,6,8][5,0,2][7,3,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,7,2][0,5,3][6,4,8]]

Generated Nodes :

[[0,7,2][1,5,3][6,4,8]] - Already visited Node!
[[1,7,2][5,0,3][6,4,8]] - $f(n) = 24 + 7 = 31$
[[1,7,2][6,5,3][0,4,8]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,2][0,5,7][3,6,4]]

Generated Nodes :

[[0,8,2][1,5,7][3,6,4]] - Already visited Node!
[[1,8,2][5,0,7][3,6,4]] - $f(n) = 24 + 7 = 31$
[[1,8,2][3,5,7][0,6,4]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,7][2,5,0][3,6,4]]

Generated Nodes :

[[1,8,0][2,5,7][3,6,4]] - $f(n) = 24 + 6 = 30$
[[1,8,7][2,0,5][3,6,4]] - Already visited Node!
[[1,8,7][2,5,4][3,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[1,8,2][0,5,4][3,7,6]]

Generated Nodes :

[[0,8,2][1,5,4][3,7,6]] - $f(n) = 24 + 7 = 31$
[[1,8,2][5,0,4][3,7,6]] - Already visited Node!
[[1,8,2][3,5,4][0,7,6]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 25 - [[2,7,5][4,3,6][0,8,1]]

Generated Nodes :

[[2,7,5][0,3,6][4,8,1]] - $f(n) = 25 + 6 = 31$
[[2,7,5][4,3,6][8,0,1]] - Already visited Node!

Node Chosen for Level 25 - [[1,5,2][7,4,6][3,8,0]]

Generated Nodes :

[[1,5,2][7,4,0][3,8,6]] - Already visited Node!
[[1,5,2][7,4,6][3,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 26 – [[1,0,2][8,5,6][7,4,3]]

Generated Nodes :

[[1,2,0][8,5,6][7,4,3]] – $f(n) = 26 + 3 = 29$
[[0,1,2][8,5,6][7,4,3]] – Already visited Node!
[[1,5,2][8,0,6][7,4,3]] – Already visited Node!

Node Chosen for Level 25 – [[7,2,5][4,8,6][3,1,0]]

Generated Nodes :

[[7,2,5][4,8,0][3,1,6]] – Already visited Node!
[[7,2,5][4,8,6][3,0,1]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[5,2,0][4,8,6][3,1,7]]

Generated Nodes :

[[5,0,2][4,8,6][3,1,7]] – Already visited Node!
[[5,2,6][4,8,0][3,1,7]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[7,1,5][4,3,6][0,8,2]]

Generated Nodes :

[[7,1,5][0,3,6][4,8,2]] – Already visited Node!
[[7,1,5][4,3,6][8,0,2]] – Already visited Node!

Node Chosen for Level 25 – [[7,1,5][4,3,6][0,8,2]]

Generated Nodes :

[[7,1,5][0,3,6][4,8,2]] – Already visited Node!
[[7,1,5][4,3,6][8,0,2]] – Already visited Node!

Node Chosen for Level 25 – [[3,2,4][5,8,6][7,1,0]]

Generated Nodes :

[[3,2,4][5,8,0][7,1,6]] – Already visited Node!
[[3,2,4][5,8,6][7,0,1]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[8,2,1][5,0,6][7,3,4]]

Generated Nodes :

[[8,0,1][5,2,6][7,3,4]] – $f(n) = 25 + 6 = 31$
[[8,2,1][5,6,0][7,3,4]] – Already visited Node!
[[8,2,1][0,5,6][7,3,4]] – $f(n) = 25 + 4 = 29$
[[8,2,1][5,3,6][7,0,4]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,5,2][7,3,6][0,8,4]]$

Generated Nodes :

 $[[1,5,2][0,3,6][7,8,4]] - f(n) = 25 + 4 = 29$
 $[[1,5,2][7,3,6][8,0,4]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[8,2,1][5,0,6][7,3,4]]$

Generated Nodes :

 $[[8,0,1][5,2,6][7,3,4]] - f(n) = 25 + 6 = 31$
 $[[8,2,1][5,6,0][7,3,4]] - \text{Already visited Node!}$
 $[[8,2,1][0,5,6][7,3,4]] - f(n) = 25 + 4 = 29$
 $[[8,2,1][5,3,6][7,0,4]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - $[[1,0,2][8,5,6][7,4,3]]$

Generated Nodes :

 $[[1,2,0][8,5,6][7,4,3]] - f(n) = 26 + 3 = 29$
 $[[0,1,2][8,5,6][7,4,3]] - \text{Already visited Node!}$
 $[[1,5,2][8,0,6][7,4,3]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[3,2,4][1,7,6][0,8,5]]$

Generated Nodes :

 $[[3,2,4][0,7,6][1,8,5]] - f(n) = 25 + 5 = 30$
 $[[3,2,4][1,7,6][8,0,5]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[3,7,2][4,0,6][1,8,5]]$

Generated Nodes :

 $[[3,0,2][4,7,6][1,8,5]] - f(n) = 25 + 5 = 30$
 $[[3,7,2][4,6,0][1,8,5]] - f(n) = 25 + 6 = 31$
 $[[3,7,2][0,4,6][1,8,5]] - \text{Already visited Node!}$
 $[[3,7,2][4,8,6][1,0,5]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[5,2,8][4,7,6][3,1,0]]$

Generated Nodes :

 $[[5,2,8][4,7,0][3,1,6]] - \text{Already visited Node!}$
 $[[5,2,8][4,7,6][3,0,1]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[7,5,1][4,2,6][0,8,3]]$

Generated Nodes :

 $[[7,5,1][0,2,6][4,8,3]] - f(n) = 25 + 6 = 31$

[[7,5,1][4,2,6][8,0,3]] - Already visited Node!

Node Chosen for Level 26 - [[1,6,2][0,5,3][7,8,4]]

Generated Nodes :

[[0,6,2][1,5,3][7,8,4]] - $f(n) = 26 + 5 = 31$
[[1,6,2][5,0,3][7,8,4]] - Already visited Node!
[[1,6,2][7,5,3][0,8,4]] - $f(n) = 26 + 5 = 31$

Node Chosen for Level 25 - [[0,2,8][7,5,6][3,4,1]]

Generated Nodes :

[[2,0,8][7,5,6][3,4,1]] - Already visited Node!
[[7,2,8][0,5,6][3,4,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - [[7,2,1][4,5,6][3,8,0]]

Generated Nodes :

[[7,2,1][4,5,0][3,8,6]] - Already visited Node!
[[7,2,1][4,5,6][3,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 26 - [[1,2,3][0,5,7][8,6,4]]

Generated Nodes :

[[0,2,3][1,5,7][8,6,4]] - $f(n) = 26 + 5 = 31$
[[1,2,3][5,0,7][8,6,4]] - Already visited Node!
[[1,2,3][8,5,7][0,6,4]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 26 - [[1,2,3][0,5,7][8,6,4]]

Generated Nodes :

[[0,2,3][1,5,7][8,6,4]] - $f(n) = 26 + 5 = 31$
[[1,2,3][5,0,7][8,6,4]] - Already visited Node!
[[1,2,3][8,5,7][0,6,4]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 25 - [[5,2,0][4,1,8][7,3,6]]

Generated Nodes :

[[5,0,2][4,1,8][7,3,6]] - Already visited Node!
[[5,2,8][4,1,0][7,3,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[4,2,1][7,5,6][8,3,0]]

Generated Nodes :

[[4,2,1][7,5,0][8,3,6]] - Already visited Node!

$[[4,2,1][7,5,6][8,0,3]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[3,2,4][8,5,6][1,7,0]]$

Generated Nodes :

$[[3,2,4][8,5,0][1,7,6]]$ - Already visited Node!

$[[3,2,4][8,5,6][1,0,7]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,2,5][7,4,6][8,3,0]]$

Generated Nodes :

$[[1,2,5][7,4,0][8,3,6]]$ - Already visited Node!

$[[1,2,5][7,4,6][8,0,3]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[1,2,5][7,3,4][0,8,6]]$

Generated Nodes :

$[[1,2,5][0,3,4][7,8,6]] - f(n) = 25 + 4 = 29$

$[[1,2,5][7,3,4][8,0,6]]$ - Already visited Node!

Node Chosen for Level 25 - $[[1,2,4][5,8,6][3,7,0]]$

Generated Nodes :

$[[1,2,4][5,8,0][3,7,6]]$ - Already visited Node!

$[[1,2,4][5,8,6][3,0,7]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - $[[1,7,2][4,5,6][3,8,0]]$

Generated Nodes :

$[[1,7,2][4,5,0][3,8,6]] - f(n) = 27 + 4 = 31$

$[[1,7,2][4,5,6][3,0,8]]$ - Already visited Node!

Node Chosen for Level 27 - $[[1,2,4][7,5,6][3,8,0]]$

Generated Nodes :

$[[1,2,4][7,5,0][3,8,6]]$ - Already visited Node!

$[[1,2,4][7,5,6][3,0,8]] - f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - $[[1,2,4][7,5,6][3,8,0]]$

Generated Nodes :

$[[1,2,4][7,5,0][3,8,6]]$ - Already visited Node!

$[[1,2,4][7,5,6][3,0,8]] - f(n) = 27 + 4 = 31$

Node Chosen for Level 25 - $[[7,2,0][4,5,3][1,6,8]]$

Generated Nodes :

[[7,0,2][4,5,3][1,6,8]] - Already visited Node!
[[7,2,3][4,5,0][1,6,8]] - $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - [[7,2,0][4,5,8][1,3,6]]

Generated Nodes :

[[7,0,2][4,5,8][1,3,6]] - Already visited Node!
[[7,2,8][4,5,0][1,3,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[2,4,3][5,7,6][1,8,0]]

Generated Nodes :

[[2,4,3][5,7,0][1,8,6]] - Already visited Node!
[[2,4,3][5,7,6][1,0,8]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[8,2,0][7,5,6][4,3,1]]

Generated Nodes :

[[8,0,2][7,5,6][4,3,1]] - Already visited Node!
[[8,2,6][7,5,0][4,3,1]] - $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - [[8,2,7][1,5,6][4,3,0]]

Generated Nodes :

[[8,2,7][1,5,0][4,3,6]] - Already visited Node!
[[8,2,7][1,5,6][4,0,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - [[1,4,3][5,2,6][7,8,0]]

Generated Nodes :

[[1,4,3][5,2,0][7,8,6]] - Already visited Node!
[[1,4,3][5,2,6][7,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[4,2,0][1,5,6][7,8,3]]

Generated Nodes :

[[4,0,2][1,5,6][7,8,3]] - Already visited Node!
[[4,2,6][1,5,0][7,8,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 25 - [[0,2,6][4,5,7][8,3,1]]

Generated Nodes :

$[[2,0,6][4,5,7][8,3,1]] - f(n) = 25 + 6 = 31$
 $[[4,2,6][0,5,7][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[7,2,0][1,5,3][4,8,6]]$

Generated Nodes :

$[[7,0,2][1,5,3][4,8,6]] - \text{Already visited Node!}$
 $[[7,2,3][1,5,0][4,8,6]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[7,2,0][1,5,3][4,8,6]]$

Generated Nodes :

$[[7,0,2][1,5,3][4,8,6]] - \text{Already visited Node!}$
 $[[7,2,3][1,5,0][4,8,6]] - f(n) = 25 + 4 = 29$

Node Chosen for Level 25 - $[[0,2,6][4,5,7][8,3,1]]$

Generated Nodes :

$[[2,0,6][4,5,7][8,3,1]] - f(n) = 25 + 6 = 31$
 $[[4,2,6][0,5,7][8,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 27 - $[[0,2,6][4,5,3][7,8,1]]$

Generated Nodes :

$[[2,0,6][4,5,3][7,8,1]] - f(n) = 27 + 4 = 31$
 $[[4,2,6][0,5,3][7,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,3][7,4,0][8,1,6]]$

Generated Nodes :

$[[5,2,0][7,4,3][8,1,6]] - \text{Already visited Node!}$
 $[[5,2,3][7,0,4][8,1,6]] - f(n) = 24 + 6 = 30$
 $[[5,2,3][7,4,6][8,1,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[2,1,4][0,3,5][7,8,6]]$

Generated Nodes :

$[[0,1,4][2,3,5][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[2,1,4][3,0,5][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[2,1,4][7,3,5][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[5,2,3][7,4,0][8,1,6]]$

Generated Nodes :

$[[5,2,0][7,4,3][8,1,6]] - \text{Already visited Node!}$

$[[5,2,3][7,0,4][8,1,6]] - f(n) = 24 + 6 = 30$
 $[[5,2,3][7,4,6][8,1,0]] - f(n) = 24 + 5 = 29$

Node Chosen for Level 24 - $[[5,4,2][0,1,3][7,8,6]]$

Generated Nodes :

$[[0,4,2][5,1,3][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[5,4,2][1,0,3][7,8,6]] - f(n) = 24 + 6 = 30$
 $[[5,4,2][7,1,3][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[5,2,3][4,8,0][7,1,6]]$

Generated Nodes :

$[[5,2,0][4,8,3][7,1,6]] - \text{Already visited Node!}$
 $[[5,2,3][4,0,8][7,1,6]] - f(n) = 26 + 4 = 30$
 $[[5,2,3][4,8,6][7,1,0]] - f(n) = 26 + 3 = 29$

Node Chosen for Level 25 - $[[7,2,0][6,5,4][3,8,1]]$

Generated Nodes :

$[[7,0,2][6,5,4][3,8,1]] - \text{Already visited Node!}$
 $[[7,2,4][6,5,0][3,8,1]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[7,2,0][4,5,8][3,6,1]]$

Generated Nodes :

$[[7,0,2][4,5,8][3,6,1]] - \text{Already visited Node!}$
 $[[7,2,8][4,5,0][3,6,1]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 24 - $[[5,6,4][0,3,2][7,8,1]]$

Generated Nodes :

$[[0,6,4][5,3,2][7,8,1]] - f(n) = 24 + 6 = 30$
 $[[5,6,4][3,0,2][7,8,1]] - f(n) = 24 + 6 = 30$
 $[[5,6,4][7,3,2][0,8,1]] - \text{Already visited Node!}$

Node Chosen for Level 24 - $[[8,2,7][6,5,0][3,4,1]]$

Generated Nodes :

$[[8,2,0][6,5,7][3,4,1]] - f(n) = 24 + 6 = 30$
 $[[8,2,7][6,0,5][3,4,1]] - \text{Already visited Node!}$
 $[[8,2,7][6,5,1][3,4,0]] - f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - $[[3,8,7][4,5,0][1,6,2]]$

Generated Nodes :

[[3,8,0][4,5,7][1,6,2]] - $f(n) = 24 + 6 = 30$
[[3,8,7][4,0,5][1,6,2]] - Already visited Node!
[[3,8,7][4,5,2][1,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,1,4][3,5,0][6,8,2]]

Generated Nodes :

[[7,1,0][3,5,4][6,8,2]] - $f(n) = 24 + 6 = 30$
[[7,1,4][3,0,5][6,8,2]] - Already visited Node!
[[7,1,4][3,5,2][6,8,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[4,5,2][0,3,1][7,8,6]]

Generated Nodes :

[[0,5,2][4,3,1][7,8,6]] - $f(n) = 24 + 5 = 29$
[[4,5,2][3,0,1][7,8,6]] - $f(n) = 24 + 6 = 30$
[[4,5,2][7,3,1][0,8,6]] - Already visited Node!

Node Chosen for Level 24 - [[3,0,8][4,5,2][1,7,6]]

Generated Nodes :

[[3,8,0][4,5,2][1,7,6]] - $f(n) = 24 + 6 = 30$
[[0,3,8][4,5,2][1,7,6]] - $f(n) = 24 + 6 = 30$
[[3,5,8][4,0,2][1,7,6]] - Already visited Node!

Node Chosen for Level 24 - [[3,2,7][8,5,0][1,6,4]]

Generated Nodes :

[[3,2,0][8,5,7][1,6,4]] - $f(n) = 24 + 6 = 30$
[[3,2,7][8,0,5][1,6,4]] - Already visited Node!
[[3,2,7][8,5,4][1,6,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 - [[7,0,2][1,5,4][6,8,3]]

Generated Nodes :

[[7,2,0][1,5,4][6,8,3]] - $f(n) = 24 + 5 = 29$
[[0,7,2][1,5,4][6,8,3]] - $f(n) = 24 + 6 = 30$
[[7,5,2][1,0,4][6,8,3]] - Already visited Node!

Node Chosen for Level 24 - [[8,2,7][3,5,0][6,1,4]]

Generated Nodes :

[[8,2,0][3,5,7][6,1,4]] - $f(n) = 24 + 6 = 30$
[[8,2,7][3,0,5][6,1,4]] - Already visited Node!
[[8,2,7][3,5,4][6,1,0]] - $f(n) = 24 + 6 = 30$

Node Chosen for Level 24 – [[5,6,2][0,1,4][7,8,3]]

Generated Nodes :

[[0,6,2][5,1,4][7,8,3]] – $f(n) = 24 + 6 = 30$
[[5,6,2][1,0,4][7,8,3]] – $f(n) = 24 + 6 = 30$
[[5,6,2][7,1,4][0,8,3]] – Already visited Node!

Node Chosen for Level 24 – [[5,3,1][0,6,2][7,8,4]]

Generated Nodes :

[[0,3,1][5,6,2][7,8,4]] – $f(n) = 24 + 6 = 30$
[[5,3,1][6,0,2][7,8,4]] – $f(n) = 24 + 6 = 30$
[[5,3,1][7,6,2][0,8,4]] – Already visited Node!

Node Chosen for Level 25 – [[4,2,0][7,5,3][1,8,6]]

Generated Nodes :

[[4,0,2][7,5,3][1,8,6]] – Already visited Node!
[[4,2,3][7,5,0][1,8,6]] – $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 – [[4,2,3][7,0,5][1,8,6]]

Generated Nodes :

[[4,0,3][7,2,5][1,8,6]] – Already visited Node!
[[4,2,3][7,5,0][1,8,6]] – $f(n) = 25 + 4 = 29$
[[4,2,3][0,7,5][1,8,6]] – $f(n) = 25 + 5 = 30$
[[4,2,3][7,8,5][1,0,6]] – $f(n) = 25 + 6 = 31$

Node Chosen for Level 25 – [[8,2,0][4,5,1][3,6,7]]

Generated Nodes :

[[8,0,2][4,5,1][3,6,7]] – Already visited Node!
[[8,2,1][4,5,0][3,6,7]] – $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 – [[4,2,0][7,5,3][1,8,6]]

Generated Nodes :

[[4,0,2][7,5,3][1,8,6]] – Already visited Node!
[[4,2,3][7,5,0][1,8,6]] – $f(n) = 25 + 4 = 29$

Node Chosen for Level 25 – [[4,2,3][7,0,5][1,8,6]]

Generated Nodes :

[[4,0,3][7,2,5][1,8,6]] – Already visited Node!

$[[4,2,3][7,5,0][1,8,6]] - f(n) = 25 + 4 = 29$
 $[[4,2,3][0,7,5][1,8,6]] - f(n) = 25 + 5 = 30$
 $[[4,2,3][7,8,5][1,0,6]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 26 - $[[3,0,1][4,5,2][7,8,6]]$

Generated Nodes :

$[[3,1,0][4,5,2][7,8,6]] - f(n) = 26 + 4 = 30$
 $[[0,3,1][4,5,2][7,8,6]] - f(n) = 26 + 4 = 30$
 $[[3,5,1][4,0,2][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[1,7,4][8,5,6][3,2,0]]$

Generated Nodes :

$[[1,7,4][8,5,0][3,2,6]] - \text{Already visited Node!}$
 $[[1,7,4][8,5,6][3,0,2]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[7,2,0][4,5,8][1,3,6]]$

Generated Nodes :

$[[7,0,2][4,5,8][1,3,6]] - \text{Already visited Node!}$
 $[[7,2,8][4,5,0][1,3,6]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - $[[8,2,0][3,5,6][1,7,4]]$

Generated Nodes :

$[[8,0,2][3,5,6][1,7,4]] - \text{Already visited Node!}$
 $[[8,2,6][3,5,0][1,7,4]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[0,2,8][4,1,5][7,3,6]]$

Generated Nodes :

$[[2,0,8][4,1,5][7,3,6]] - f(n) = 25 + 6 = 31$
 $[[4,2,8][0,1,5][7,3,6]] - \text{Already visited Node!}$

Node Chosen for Level 25 - $[[4,2,0][7,5,6][8,1,3]]$

Generated Nodes :

$[[4,0,2][7,5,6][8,1,3]] - \text{Already visited Node!}$
 $[[4,2,6][7,5,0][8,1,3]] - f(n) = 25 + 6 = 31$

Node Chosen for Level 25 - $[[7,2,0][1,5,4][6,8,3]]$

Generated Nodes :

$[[7,0,2][1,5,4][6,8,3]] - \text{Already visited Node!}$

$[[7,2,4][1,5,0][6,8,3]] - f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - $[[1,2,0][4,5,6][8,7,3]]$

Generated Nodes :

$[[1,0,2][4,5,6][8,7,3]] - \text{Already visited Node!}$

$[[1,2,6][4,5,0][8,7,3]] - f(n) = 27 + 4 = 31$

Node Chosen for Level 26 - $[[4,2,8][0,5,6][7,3,1]]$

Generated Nodes :

$[[0,2,8][4,5,6][7,3,1]] - f(n) = 26 + 3 = 29$

$[[4,2,8][5,0,6][7,3,1]] - \text{Already visited Node!}$

$[[4,2,8][7,5,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[4,2,8][0,5,6][7,3,1]]$

Generated Nodes :

$[[0,2,8][4,5,6][7,3,1]] - f(n) = 26 + 3 = 29$

$[[4,2,8][5,0,6][7,3,1]] - \text{Already visited Node!}$

$[[4,2,8][7,5,6][0,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 27 - $[[1,2,0][8,5,6][7,4,3]]$

Generated Nodes :

$[[1,0,2][8,5,6][7,4,3]] - \text{Already visited Node!}$

$[[1,2,6][8,5,0][7,4,3]] - f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - $[[0,2,8][4,5,6][7,3,1]]$

Generated Nodes :

$[[2,0,8][4,5,6][7,3,1]] - f(n) = 27 + 4 = 31$

$[[4,2,8][0,5,6][7,3,1]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[5,2,3][0,6,1][7,8,4]]$

Generated Nodes :

$[[0,2,3][5,6,1][7,8,4]] - f(n) = 26 + 4 = 30$

$[[5,2,3][6,0,1][7,8,4]] - f(n) = 26 + 4 = 30$

$[[5,2,3][7,6,1][0,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[5,2,3][0,1,4][7,8,6]]$

Generated Nodes :

$[[0,2,3][5,1,4][7,8,6]] - f(n) = 26 + 4 = 30$

[[5,2,3][1,0,4][7,8,6]] - $f(n) = 26 + 4 = 30$
[[5,2,3][7,1,4][0,8,6]] - Already visited Node!

Node Chosen for Level 26 - [[5,2,3][6,1,0][7,8,4]]

Generated Nodes :

[[5,2,0][6,1,3][7,8,4]] - Already visited Node!
[[5,2,3][6,0,1][7,8,4]] - $f(n) = 26 + 4 = 30$
[[5,2,3][6,1,4][7,8,0]] - $f(n) = 26 + 4 = 30$

Node Chosen for Level 26 - [[5,2,3][0,6,1][7,8,4]]

Generated Nodes :

[[0,2,3][5,6,1][7,8,4]] - $f(n) = 26 + 4 = 30$
[[5,2,3][6,0,1][7,8,4]] - $f(n) = 26 + 4 = 30$
[[5,2,3][7,6,1][0,8,4]] - Already visited Node!

Node Chosen for Level 26 - [[5,2,3][0,1,4][7,8,6]]

Generated Nodes :

[[0,2,3][5,1,4][7,8,6]] - $f(n) = 26 + 4 = 30$
[[5,2,3][1,0,4][7,8,6]] - $f(n) = 26 + 4 = 30$
[[5,2,3][7,1,4][0,8,6]] - Already visited Node!

Node Chosen for Level 27 - [[3,2,4][1,5,6][7,8,0]]

Generated Nodes :

[[3,2,4][1,5,0][7,8,6]] - Already visited Node!
[[3,2,4][1,5,6][7,0,8]] - Already visited Node!

Node Chosen for Level 25 - [[4,2,0][1,5,8][7,3,6]]

Generated Nodes :

[[4,0,2][1,5,8][7,3,6]] - Already visited Node!
[[4,2,8][1,5,0][7,3,6]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - [[1,2,0][8,5,6][7,4,3]]

Generated Nodes :

[[1,0,2][8,5,6][7,4,3]] - Already visited Node!
[[1,2,6][8,5,0][7,4,3]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 26 - [[8,2,1][0,5,6][7,3,4]]

Generated Nodes :

$[[0,2,1][8,5,6][7,3,4]] - f(n) = 26 + 4 = 30$
 $[[8,2,1][5,0,6][7,3,4]] - \text{Already visited Node!}$
 $[[8,2,1][7,5,6][0,3,4]] - f(n) = 26 + 5 = 31$

Node Chosen for Level 26 - $[[1,5,2][0,3,6][7,8,4]]$

Generated Nodes :

$[[0,5,2][1,3,6][7,8,4]] - f(n) = 26 + 5 = 31$
 $[[1,5,2][3,0,6][7,8,4]] - f(n) = 26 + 4 = 30$
 $[[1,5,2][7,3,6][0,8,4]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[8,2,1][0,5,6][7,3,4]]$

Generated Nodes :

$[[0,2,1][8,5,6][7,3,4]] - f(n) = 26 + 4 = 30$
 $[[8,2,1][5,0,6][7,3,4]] - \text{Already visited Node!}$
 $[[8,2,1][7,5,6][0,3,4]] - f(n) = 26 + 5 = 31$

Node Chosen for Level 27 - $[[1,2,0][8,5,6][7,4,3]]$

Generated Nodes :

$[[1,0,2][8,5,6][7,4,3]] - \text{Already visited Node!}$
 $[[1,2,6][8,5,0][7,4,3]] - f(n) = 27 + 4 = 31$

Node Chosen for Level 26 - $[[1,2,5][0,3,4][7,8,6]]$

Generated Nodes :

$[[0,2,5][1,3,4][7,8,6]] - f(n) = 26 + 5 = 31$
 $[[1,2,5][3,0,4][7,8,6]] - f(n) = 26 + 4 = 30$
 $[[1,2,5][7,3,4][0,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 26 - $[[7,2,3][4,5,0][1,6,8]]$

Generated Nodes :

$[[7,2,0][4,5,3][1,6,8]] - \text{Already visited Node!}$
 $[[7,2,3][4,0,5][1,6,8]] - f(n) = 26 + 5 = 31$
 $[[7,2,3][4,5,8][1,6,0]] - f(n) = 26 + 4 = 30$

Node Chosen for Level 26 - $[[7,2,3][1,5,0][4,8,6]]$

Generated Nodes :

$[[7,2,0][1,5,3][4,8,6]] - \text{Already visited Node!}$
 $[[7,2,3][1,0,5][4,8,6]] - f(n) = 26 + 5 = 31$
 $[[7,2,3][1,5,6][4,8,0]] - f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - $[[7,2,3][1,5,0][4,8,6]]$

Generated Nodes :

[[7,2,0][1,5,3][4,8,6]] - Already visited Node!
[[7,2,3][1,0,5][4,8,6]] - $f(n) = 26 + 5 = 31$
[[7,2,3][1,5,6][4,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 25 - [[5,2,3][7,4,6][8,1,0]]

Generated Nodes :

[[5,2,3][7,4,0][8,1,6]] - Already visited Node!
[[5,2,3][7,4,6][8,0,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 25 - [[5,2,3][7,4,6][8,1,0]]

Generated Nodes :

[[5,2,3][7,4,0][8,1,6]] - Already visited Node!
[[5,2,3][7,4,6][8,0,1]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 27 - [[5,2,3][4,8,6][7,1,0]]

Generated Nodes :

[[5,2,3][4,8,0][7,1,6]] - Already visited Node!
[[5,2,3][4,8,6][7,0,1]] - $f(n) = 27 + 3 = 30$

Node Chosen for Level 25 - [[0,5,2][4,3,1][7,8,6]]

Generated Nodes :

[[5,0,2][4,3,1][7,8,6]] - $f(n) = 25 + 5 = 30$
[[4,5,2][0,3,1][7,8,6]] - Already visited Node!

Node Chosen for Level 25 - [[7,2,0][1,5,4][6,8,3]]

Generated Nodes :

[[7,0,2][1,5,4][6,8,3]] - Already visited Node!
[[7,2,4][1,5,0][6,8,3]] - $f(n) = 25 + 5 = 30$

Node Chosen for Level 26 - [[4,2,3][7,5,0][1,8,6]]

Generated Nodes :

[[4,2,0][7,5,3][1,8,6]] - Already visited Node!
[[4,2,3][7,0,5][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - [[4,2,3][7,5,0][1,8,6]]

Generated Nodes :

[[4,2,0][7,5,3][1,8,6]] - Already visited Node!
[[4,2,3][7,0,5][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - [[4,2,3][7,5,0][1,8,6]]

Generated Nodes :

[[4,2,0][7,5,3][1,8,6]] - Already visited Node!
[[4,2,3][7,0,5][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 26 - [[4,2,3][7,5,0][1,8,6]]

Generated Nodes :

[[4,2,0][7,5,3][1,8,6]] - Already visited Node!
[[4,2,3][7,0,5][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,8,0]] - $f(n) = 26 + 3 = 29$

Node Chosen for Level 27 - [[0,2,8][4,5,6][7,3,1]]

Generated Nodes :

[[2,0,8][4,5,6][7,3,1]] - $f(n) = 27 + 4 = 31$
[[4,2,8][0,5,6][7,3,1]] - Already visited Node!

Node Chosen for Level 27 - [[0,2,8][4,5,6][7,3,1]]

Generated Nodes :

[[2,0,8][4,5,6][7,3,1]] - $f(n) = 27 + 4 = 31$
[[4,2,8][0,5,6][7,3,1]] - Already visited Node!

Node Chosen for Level 27 - [[7,2,3][1,5,6][4,8,0]]

Generated Nodes :

[[7,2,3][1,5,0][4,8,6]] - Already visited Node!
[[7,2,3][1,5,6][4,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[7,2,3][1,5,6][4,8,0]]

Generated Nodes :

[[7,2,3][1,5,0][4,8,6]] - Already visited Node!
[[7,2,3][1,5,6][4,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[4,2,3][7,5,6][1,8,0]]

Generated Nodes :

[[4,2,3][7,5,0][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[4,2,3][7,5,6][1,8,0]]

Generated Nodes :

[[4,2,3][7,5,0][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[4,2,3][7,5,6][1,8,0]]

Generated Nodes :

[[4,2,3][7,5,0][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 27 - [[4,2,3][7,5,6][1,8,0]]

Generated Nodes :

[[4,2,3][7,5,0][1,8,6]] - Already visited Node!
[[4,2,3][7,5,6][1,0,8]] - $f(n) = 27 + 4 = 31$

Node Chosen for Level 8 - [[2,4,6][7,3,0][5,8,1]]

Generated Nodes :

[[2,4,0][7,3,6][5,8,1]] - Already visited Node!
[[2,4,6][7,0,3][5,8,1]] - $f(n) = 8 + 7 = 15$
[[2,4,6][7,3,1][5,8,0]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[2,3,4][7,6,0][5,8,1]]

Generated Nodes :

[[2,3,0][7,6,4][5,8,1]] - $f(n) = 8 + 7 = 15$
[[2,3,4][7,0,6][5,8,1]] - Already visited Node!
[[2,3,4][7,6,1][5,8,0]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[2,3,4][7,8,6][5,0,1]]

Generated Nodes :

[[2,3,4][7,0,6][5,8,1]] - Already visited Node!
[[2,3,4][7,8,6][5,1,0]] - $f(n) = 8 + 7 = 15$
[[2,3,4][7,8,6][0,5,1]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[7,4,6][3,2,0][5,8,1]]

Generated Nodes :

[[7,4,0][3,2,6][5,8,1]] - Already visited Node!
[[7,4,6][3,0,2][5,8,1]] - $f(n) = 8 + 7 = 15$
[[7,4,6][3,2,1][5,8,0]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[7,0,2][3,6,4][5,8,1]]

Generated Nodes :

[[7,2,0][3,6,4][5,8,1]] - Already visited Node!
[[0,7,2][3,6,4][5,8,1]] - $f(n) = 8 + 7 = 15$
[[7,6,2][3,0,4][5,8,1]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[7,2,4][3,6,1][5,0,8]]

Generated Nodes :

[[7,2,4][3,0,1][5,6,8]] - $f(n) = 8 + 7 = 15$
[[7,2,4][3,6,1][5,8,0]] - Already visited Node!
[[7,2,4][3,6,1][0,5,8]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[7,2,4][3,8,0][5,1,6]]

Generated Nodes :

[[7,2,0][3,8,4][5,1,6]] - Already visited Node!
[[7,2,4][3,0,8][5,1,6]] - $f(n) = 8 + 7 = 15$
[[7,2,4][3,8,6][5,1,0]] - Already visited Node!

Node Chosen for Level 8 - [[2,0,4][7,8,6][3,5,1]]

Generated Nodes :

[[2,4,0][7,8,6][3,5,1]] - $f(n) = 8 + 7 = 15$
[[0,2,4][7,8,6][3,5,1]] - Already visited Node!
[[2,8,4][7,0,6][3,5,1]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[2,0,4][7,6,1][5,8,3]]

Generated Nodes :

[[2,4,0][7,6,1][5,8,3]] - $f(n) = 8 + 7 = 15$
[[0,2,4][7,6,1][5,8,3]] - Already visited Node!
[[2,6,4][7,0,1][5,8,3]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[7,0,4][6,2,1][5,8,3]]

Generated Nodes :

[[7,4,0][6,2,1][5,8,3]] - $f(n) = 8 + 7 = 15$
[[0,7,4][6,2,1][5,8,3]] - $f(n) = 8 + 7 = 15$

[[7,2,4][6,0,1][5,8,3]] - Already visited Node!

Node Chosen for Level 8 - [[7,2,4][6,8,1][5,0,3]]

Generated Nodes :

[[7,2,4][6,0,1][5,8,3]] - Already visited Node!

[[7,2,4][6,8,1][5,3,0]] - $f(n) = 8 + 7 = 15$

[[7,2,4][6,8,1][0,5,3]] - $f(n) = 8 + 7 = 15$

Node Chosen for Level 8 - [[2,0,4][7,5,3][8,1,6]]

Generated Nodes :

[[2,4,0][7,5,3][8,1,6]] - $f(n) = 8 + 7 = 15$

[[0,2,4][7,5,3][8,1,6]] - Already visited Node!

[[2,5,4][7,0,3][8,1,6]] - $f(n) = 8 + 8 = 16$

Node Chosen for Level 9 - [[2,5,4][7,0,3][8,1,6]]

Generated Nodes :

[[2,0,4][7,5,3][8,1,6]] - Already visited Node!

[[2,5,4][7,3,0][8,1,6]] - $f(n) = 9 + 8 = 17$

[[2,5,4][0,7,3][8,1,6]] - $f(n) = 9 + 8 = 17$

[[2,5,4][7,1,3][8,0,6]] - $f(n) = 9 + 8 = 17$

Node Chosen for Level 10 - [[2,5,4][7,3,0][8,1,6]]

Generated Nodes :

[[2,5,0][7,3,4][8,1,6]] - $f(n) = 10 + 8 = 18$

[[2,5,4][7,0,3][8,1,6]] - Already visited Node!

[[2,5,4][7,3,6][8,1,0]] - Already visited Node!

Node Chosen for Level 10 - [[2,5,4][0,7,3][8,1,6]]

Generated Nodes :

[[0,5,4][2,7,3][8,1,6]] - $f(n) = 10 + 8 = 18$

[[2,5,4][7,0,3][8,1,6]] - Already visited Node!

[[2,5,4][8,7,3][0,1,6]] - $f(n) = 10 + 8 = 18$

Node Chosen for Level 10 - [[2,5,4][7,1,3][8,0,6]]

Generated Nodes :

[[2,5,4][7,0,3][8,1,6]] - Already visited Node!

[[2,5,4][7,1,3][8,6,0]] - $f(n) = 10 + 8 = 18$

[[2,5,4][7,1,3][0,8,6]] - $f(n) = 10 + 7 = 17$

Node Chosen for Level 11 - [[2,5,4][7,1,3][0,8,6]]

Generated Nodes :

[[2,5,4][0,1,3][7,8,6]] - $f(n) = 11 + 6 = 17$
[[2,5,4][7,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 12 - [[2,5,4][0,1,3][7,8,6]]

Generated Nodes :

[[0,5,4][2,1,3][7,8,6]] - $f(n) = 12 + 6 = 18$
[[2,5,4][1,0,3][7,8,6]] - $f(n) = 12 + 6 = 18$
[[2,5,4][7,1,3][0,8,6]] - Already visited Node!

Node Chosen for Level 11 - [[2,5,0][7,3,4][8,1,6]]

Generated Nodes :

[[2,0,5][7,3,4][8,1,6]] - $f(n) = 11 + 8 = 19$
[[2,5,4][7,3,0][8,1,6]] - Already visited Node!

Node Chosen for Level 11 - [[0,5,4][2,7,3][8,1,6]]

Generated Nodes :

[[5,0,4][2,7,3][8,1,6]] - $f(n) = 11 + 8 = 19$
[[2,5,4][0,7,3][8,1,6]] - Already visited Node!

Node Chosen for Level 11 - [[2,5,4][8,7,3][0,1,6]]

Generated Nodes :

[[2,5,4][0,7,3][8,1,6]] - Already visited Node!
[[2,5,4][8,7,3][1,0,6]] - $f(n) = 11 + 8 = 19$

Node Chosen for Level 11 - [[2,5,4][7,1,3][8,6,0]]

Generated Nodes :

[[2,5,4][7,1,0][8,6,3]] - $f(n) = 11 + 8 = 19$
[[2,5,4][7,1,3][8,0,6]] - Already visited Node!

Node Chosen for Level 13 - [[0,5,4][2,1,3][7,8,6]]

Generated Nodes :

[[5,0,4][2,1,3][7,8,6]] - $f(n) = 13 + 6 = 19$
[[2,5,4][0,1,3][7,8,6]] - Already visited Node!

Node Chosen for Level 13 - [[2,5,4][1,0,3][7,8,6]]

Generated Nodes :

[[2,0,4][1,5,3][7,8,6]] - $f(n) = 13 + 5 = 18$
[[2,5,4][1,3,0][7,8,6]] - $f(n) = 13 + 6 = 19$
[[2,5,4][0,1,3][7,8,6]] - Already visited Node!
[[2,5,4][1,8,3][7,0,6]] - $f(n) = 13 + 7 = 20$

Node Chosen for Level 14 - [[2,0,4][1,5,3][7,8,6]]

Generated Nodes :

[[2,4,0][1,5,3][7,8,6]] - $f(n) = 14 + 5 = 19$
[[0,2,4][1,5,3][7,8,6]] - Already visited Node!
[[2,5,4][1,0,3][7,8,6]] - Already visited Node!

Node Chosen for Level 12 - [[2,0,5][7,3,4][8,1,6]]

Generated Nodes :

[[2,5,0][7,3,4][8,1,6]] - Already visited Node!
[[0,2,5][7,3,4][8,1,6]] - $f(n) = 12 + 7 = 19$
[[2,3,5][7,0,4][8,1,6]] - $f(n) = 12 + 8 = 20$

Node Chosen for Level 12 - [[5,0,4][2,7,3][8,1,6]]

Generated Nodes :

[[5,4,0][2,7,3][8,1,6]] - $f(n) = 12 + 8 = 20$
[[0,5,4][2,7,3][8,1,6]] - Already visited Node!
[[5,7,4][2,0,3][8,1,6]] - $f(n) = 12 + 8 = 20$

Node Chosen for Level 12 - [[2,5,4][8,7,3][1,0,6]]

Generated Nodes :

[[2,5,4][8,0,3][1,7,6]] - $f(n) = 12 + 8 = 20$
[[2,5,4][8,7,3][1,6,0]] - $f(n) = 12 + 8 = 20$
[[2,5,4][8,7,3][0,1,6]] - Already visited Node!

Node Chosen for Level 12 - [[2,5,4][7,1,0][8,6,3]]

Generated Nodes :

[[2,5,0][7,1,4][8,6,3]] - $f(n) = 12 + 8 = 20$
[[2,5,4][7,0,1][8,6,3]] - $f(n) = 12 + 8 = 20$
[[2,5,4][7,1,3][8,6,0]] - Already visited Node!

Node Chosen for Level 14 - [[5,0,4][2,1,3][7,8,6]]

Generated Nodes :

[[5,4,0][2,1,3][7,8,6]] - $f(n) = 14 + 6 = 20$
[[0,5,4][2,1,3][7,8,6]] - Already visited Node!

$[[5,1,4][2,0,3][7,8,6]] - f(n) = 14 + 6 = 20$

Node Chosen for Level 14 - $[[2,5,4][1,3,0][7,8,6]]$

Generated Nodes :

$[[2,5,0][1,3,4][7,8,6]] - f(n) = 14 + 6 = 20$
 $[[2,5,4][1,0,3][7,8,6]] - \text{Already visited Node!}$
 $[[2,5,4][1,3,6][7,8,0]] - f(n) = 14 + 5 = 19$

Node Chosen for Level 15 - $[[2,4,0][1,5,3][7,8,6]]$

Generated Nodes :

$[[2,0,4][1,5,3][7,8,6]] - \text{Already visited Node!}$
 $[[2,4,3][1,5,0][7,8,6]] - f(n) = 15 + 4 = 19$

Node Chosen for Level 13 - $[[0,2,5][7,3,4][8,1,6]]$

Generated Nodes :

$[[2,0,5][7,3,4][8,1,6]] - \text{Already visited Node!}$
 $[[7,2,5][0,3,4][8,1,6]] - f(n) = 13 + 7 = 20$

Node Chosen for Level 15 - $[[2,5,4][1,3,6][7,8,0]]$

Generated Nodes :

$[[2,5,4][1,3,0][7,8,6]] - \text{Already visited Node!}$
 $[[2,5,4][1,3,6][7,0,8]] - f(n) = 15 + 6 = 21$

Node Chosen for Level 16 - $[[2,4,3][1,5,0][7,8,6]]$

Generated Nodes :

$[[2,4,0][1,5,3][7,8,6]] - \text{Already visited Node!}$
 $[[2,4,3][1,0,5][7,8,6]] - f(n) = 16 + 5 = 21$
 $[[2,4,3][1,5,6][7,8,0]] - f(n) = 16 + 3 = 19$

Node Chosen for Level 17 - $[[2,4,3][1,5,6][7,8,0]]$

Generated Nodes :

$[[2,4,3][1,5,0][7,8,6]] - \text{Already visited Node!}$
 $[[2,4,3][1,5,6][7,0,8]] - f(n) = 17 + 4 = 21$

Node Chosen for Level 14 - $[[2,5,4][1,8,3][7,0,6]]$

Generated Nodes :

$[[2,5,4][1,0,3][7,8,6]] - \text{Already visited Node!}$
 $[[2,5,4][1,8,3][7,6,0]] - f(n) = 14 + 7 = 21$

[[2,5,4][1,8,3][0,7,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 13 - [[2,3,5][7,0,4][8,1,6]]

Generated Nodes :

[[2,0,5][7,3,4][8,1,6]] - Already visited Node!
[[2,3,5][7,4,0][8,1,6]] - $f(n) = 13 + 8 = 21$
[[2,3,5][0,7,4][8,1,6]] - $f(n) = 13 + 8 = 21$
[[2,3,5][7,1,4][8,0,6]] - $f(n) = 13 + 8 = 21$

Node Chosen for Level 13 - [[5,4,0][2,7,3][8,1,6]]

Generated Nodes :

[[5,0,4][2,7,3][8,1,6]] - Already visited Node!
[[5,4,3][2,7,0][8,1,6]] - $f(n) = 13 + 7 = 20$

Node Chosen for Level 13 - [[5,7,4][2,0,3][8,1,6]]

Generated Nodes :

[[5,0,4][2,7,3][8,1,6]] - Already visited Node!
[[5,7,4][2,3,0][8,1,6]] - $f(n) = 13 + 8 = 21$
[[5,7,4][0,2,3][8,1,6]] - $f(n) = 13 + 8 = 21$
[[5,7,4][2,1,3][8,0,6]] - $f(n) = 13 + 8 = 21$

Node Chosen for Level 13 - [[2,5,4][8,0,3][1,7,6]]

Generated Nodes :

[[2,0,4][8,5,3][1,7,6]] - $f(n) = 13 + 7 = 20$
[[2,5,4][8,3,0][1,7,6]] - $f(n) = 13 + 8 = 21$
[[2,5,4][0,8,3][1,7,6]] - $f(n) = 13 + 8 = 21$
[[2,5,4][8,7,3][1,0,6]] - Already visited Node!

Node Chosen for Level 13 - [[2,5,4][8,7,3][1,6,0]]

Generated Nodes :

[[2,5,4][8,7,0][1,6,3]] - $f(n) = 13 + 8 = 21$
[[2,5,4][8,7,3][1,0,6]] - Already visited Node!

Node Chosen for Level 13 - [[2,5,0][7,1,4][8,6,3]]

Generated Nodes :

[[2,0,5][7,1,4][8,6,3]] - $f(n) = 13 + 8 = 21$
[[2,5,4][7,1,0][8,6,3]] - Already visited Node!

Node Chosen for Level 13 - [[2,5,4][7,0,1][8,6,3]]

Generated Nodes :

[[2,0,4][7,5,1][8,6,3]] - $f(n) = 13 + 7 = 20$
[[2,5,4][7,1,0][8,6,3]] - Already visited Node!
[[2,5,4][0,7,1][8,6,3]] - $f(n) = 13 + 8 = 21$
[[2,5,4][7,6,1][8,0,3]] - $f(n) = 13 + 8 = 21$

Node Chosen for Level 15 - [[5,4,0][2,1,3][7,8,6]]

Generated Nodes :

[[5,0,4][2,1,3][7,8,6]] - Already visited Node!
[[5,4,3][2,1,0][7,8,6]] - $f(n) = 15 + 5 = 20$

Node Chosen for Level 15 - [[5,1,4][2,0,3][7,8,6]]

Generated Nodes :

[[5,0,4][2,1,3][7,8,6]] - Already visited Node!
[[5,1,4][2,3,0][7,8,6]] - $f(n) = 15 + 6 = 21$
[[5,1,4][0,2,3][7,8,6]] - $f(n) = 15 + 6 = 21$
[[5,1,4][2,8,3][7,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[2,5,0][1,3,4][7,8,6]]

Generated Nodes :

[[2,0,5][1,3,4][7,8,6]] - $f(n) = 15 + 6 = 21$
[[2,5,4][1,3,0][7,8,6]] - Already visited Node!

Node Chosen for Level 14 - [[7,2,5][0,3,4][8,1,6]]

Generated Nodes :

[[0,2,5][7,3,4][8,1,6]] - Already visited Node!
[[7,2,5][3,0,4][8,1,6]] - $f(n) = 14 + 7 = 21$
[[7,2,5][8,3,4][0,1,6]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[5,4,3][2,7,0][8,1,6]]

Generated Nodes :

[[5,4,0][2,7,3][8,1,6]] - Already visited Node!
[[5,4,3][2,0,7][8,1,6]] - $f(n) = 14 + 7 = 21$
[[5,4,3][2,7,6][8,1,0]] - $f(n) = 14 + 6 = 20$

Node Chosen for Level 14 - [[2,0,4][8,5,3][1,7,6]]

Generated Nodes :

[[2,4,0][8,5,3][1,7,6]] - $f(n) = 14 + 7 = 21$
[[0,2,4][8,5,3][1,7,6]] - $f(n) = 14 + 6 = 20$

[[2,5,4][8,0,3][1,7,6]] - Already visited Node!

Node Chosen for Level 14 - [[2,0,4][7,5,1][8,6,3]]

Generated Nodes :

[[2,4,0][7,5,1][8,6,3]] - $f(n) = 14 + 7 = 21$
[[0,2,4][7,5,1][8,6,3]] - Already visited Node!
[[2,5,4][7,0,1][8,6,3]] - Already visited Node!

Node Chosen for Level 16 - [[5,4,3][2,1,0][7,8,6]]

Generated Nodes :

[[5,4,0][2,1,3][7,8,6]] - Already visited Node!
[[5,4,3][2,0,1][7,8,6]] - $f(n) = 16 + 5 = 21$
[[5,4,3][2,1,6][7,8,0]] - $f(n) = 16 + 4 = 20$

Node Chosen for Level 15 - [[5,4,3][2,7,6][8,1,0]]

Generated Nodes :

[[5,4,3][2,7,0][8,1,6]] - Already visited Node!
[[5,4,3][2,7,6][8,0,1]] - $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 - [[0,2,4][8,5,3][1,7,6]]

Generated Nodes :

[[2,0,4][8,5,3][1,7,6]] - Already visited Node!
[[8,2,4][0,5,3][1,7,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,4,3][2,1,6][7,8,0]]

Generated Nodes :

[[5,4,3][2,1,0][7,8,6]] - Already visited Node!
[[5,4,3][2,1,6][7,0,8]] - $f(n) = 17 + 5 = 22$

Node Chosen for Level 16 - [[2,5,4][1,3,6][7,0,8]]

Generated Nodes :

[[2,5,4][1,0,6][7,3,8]] - $f(n) = 16 + 6 = 22$
[[2,5,4][1,3,6][7,8,0]] - Already visited Node!
[[2,5,4][1,3,6][0,7,8]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 17 - [[2,4,3][1,0,5][7,8,6]]

Generated Nodes :

[[2,0,3][1,4,5][7,8,6]] - $f(n) = 17 + 5 = 22$

[[2,4,3][1,5,0][7,8,6]] - Already visited Node!
[[2,4,3][0,1,5][7,8,6]] - $f(n) = 17 + 5 = 22$
[[2,4,3][1,8,5][7,0,6]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 18 - [[2,4,3][1,5,6][7,0,8]]

Generated Nodes :

[[2,4,3][1,0,6][7,5,8]] - $f(n) = 18 + 5 = 23$
[[2,4,3][1,5,6][7,8,0]] - Already visited Node!
[[2,4,3][1,5,6][0,7,8]] - $f(n) = 18 + 5 = 23$

Node Chosen for Level 15 - [[2,5,4][1,8,3][7,6,0]]

Generated Nodes :

[[2,5,4][1,8,0][7,6,3]] - $f(n) = 15 + 7 = 22$
[[2,5,4][1,8,3][7,0,6]] - Already visited Node!

Node Chosen for Level 14 - [[2,3,5][7,4,0][8,1,6]]

Generated Nodes :

[[2,3,0][7,4,5][8,1,6]] - $f(n) = 14 + 8 = 22$
[[2,3,5][7,0,4][8,1,6]] - Already visited Node!
[[2,3,5][7,4,6][8,1,0]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[2,3,5][0,7,4][8,1,6]]

Generated Nodes :

[[0,3,5][2,7,4][8,1,6]] - $f(n) = 14 + 8 = 22$
[[2,3,5][7,0,4][8,1,6]] - Already visited Node!
[[2,3,5][8,7,4][0,1,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[2,3,5][7,1,4][8,0,6]]

Generated Nodes :

[[2,3,5][7,0,4][8,1,6]] - Already visited Node!
[[2,3,5][7,1,4][8,6,0]] - $f(n) = 14 + 8 = 22$
[[2,3,5][7,1,4][0,8,6]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[5,7,4][2,3,0][8,1,6]]

Generated Nodes :

[[5,7,0][2,3,4][8,1,6]] - $f(n) = 14 + 8 = 22$
[[5,7,4][2,0,3][8,1,6]] - Already visited Node!
[[5,7,4][2,3,6][8,1,0]] - Already visited Node!

Node Chosen for Level 14 - [[5,7,4][0,2,3][8,1,6]]

Generated Nodes :

[[0,7,4][5,2,3][8,1,6]] - $f(n) = 14 + 8 = 22$
[[5,7,4][2,0,3][8,1,6]] - Already visited Node!
[[5,7,4][8,2,3][0,1,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[5,7,4][2,1,3][8,0,6]]

Generated Nodes :

[[5,7,4][2,0,3][8,1,6]] - Already visited Node!
[[5,7,4][2,1,3][8,6,0]] - $f(n) = 14 + 8 = 22$
[[5,7,4][2,1,3][0,8,6]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[2,5,4][8,3,0][1,7,6]]

Generated Nodes :

[[2,5,0][8,3,4][1,7,6]] - $f(n) = 14 + 8 = 22$
[[2,5,4][8,0,3][1,7,6]] - Already visited Node!
[[2,5,4][8,3,6][1,7,0]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 14 - [[2,5,4][0,8,3][1,7,6]]

Generated Nodes :

[[0,5,4][2,8,3][1,7,6]] - $f(n) = 14 + 8 = 22$
[[2,5,4][8,0,3][1,7,6]] - Already visited Node!
[[2,5,4][1,8,3][0,7,6]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[2,5,4][8,7,0][1,6,3]]

Generated Nodes :

[[2,5,0][8,7,4][1,6,3]] - $f(n) = 14 + 8 = 22$
[[2,5,4][8,0,7][1,6,3]] - $f(n) = 14 + 8 = 22$
[[2,5,4][8,7,3][1,6,0]] - Already visited Node!

Node Chosen for Level 14 - [[2,0,5][7,1,4][8,6,3]]

Generated Nodes :

[[2,5,0][7,1,4][8,6,3]] - Already visited Node!
[[0,2,5][7,1,4][8,6,3]] - $f(n) = 14 + 7 = 21$
[[2,1,5][7,0,4][8,6,3]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[2,5,4][0,7,1][8,6,3]]

Generated Nodes :

[[0,5,4][2,7,1][8,6,3]] - $f(n) = 14 + 8 = 22$

[[2,5,4][7,0,1][8,6,3]] - Already visited Node!
[[2,5,4][8,7,1][0,6,3]] - $f(n) = 14 + 8 = 22$

Node Chosen for Level 14 - [[2,5,4][7,6,1][8,0,3]]

Generated Nodes :

[[2,5,4][7,0,1][8,6,3]] - Already visited Node!
[[2,5,4][7,6,1][8,3,0]] - $f(n) = 14 + 8 = 22$
[[2,5,4][7,6,1][0,8,3]] - $f(n) = 14 + 7 = 21$

Node Chosen for Level 16 - [[5,1,4][2,3,0][7,8,6]]

Generated Nodes :

[[5,1,0][2,3,4][7,8,6]] - $f(n) = 16 + 6 = 22$
[[5,1,4][2,0,3][7,8,6]] - Already visited Node!
[[5,1,4][2,3,6][7,8,0]] - $f(n) = 16 + 5 = 21$

Node Chosen for Level 16 - [[5,1,4][0,2,3][7,8,6]]

Generated Nodes :

[[0,1,4][5,2,3][7,8,6]] - $f(n) = 16 + 6 = 22$
[[5,1,4][2,0,3][7,8,6]] - Already visited Node!
[[5,1,4][7,2,3][0,8,6]] - $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - [[2,0,5][1,3,4][7,8,6]]

Generated Nodes :

[[2,5,0][1,3,4][7,8,6]] - Already visited Node!
[[0,2,5][1,3,4][7,8,6]] - $f(n) = 16 + 5 = 21$
[[2,3,5][1,0,4][7,8,6]] - $f(n) = 16 + 6 = 22$

Node Chosen for Level 15 - [[7,2,5][3,0,4][8,1,6]]

Generated Nodes :

[[7,0,5][3,2,4][8,1,6]] - $f(n) = 15 + 8 = 23$
[[7,2,5][3,4,0][8,1,6]] - $f(n) = 15 + 7 = 22$
[[7,2,5][0,3,4][8,1,6]] - Already visited Node!
[[7,2,5][3,1,4][8,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[7,2,5][8,3,4][0,1,6]]

Generated Nodes :

[[7,2,5][0,3,4][8,1,6]] - Already visited Node!
[[7,2,5][8,3,4][1,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[5,4,3][2,0,7][8,1,6]]

Generated Nodes :

[[5,0,3][2,4,7][8,1,6]] - $f(n) = 15 + 7 = 22$
[[5,4,3][2,7,0][8,1,6]] - Already visited Node!
[[5,4,3][0,2,7][8,1,6]] - $f(n) = 15 + 7 = 22$
[[5,4,3][2,1,7][8,0,6]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[2,4,0][8,5,3][1,7,6]]

Generated Nodes :

[[2,0,4][8,5,3][1,7,6]] - Already visited Node!
[[2,4,3][8,5,0][1,7,6]] - $f(n) = 15 + 6 = 21$

Node Chosen for Level 15 - [[2,4,0][7,5,1][8,6,3]]

Generated Nodes :

[[2,0,4][7,5,1][8,6,3]] - Already visited Node!
[[2,4,1][7,5,0][8,6,3]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 17 - [[5,4,3][2,0,1][7,8,6]]

Generated Nodes :

[[5,0,3][2,4,1][7,8,6]] - $f(n) = 17 + 5 = 22$
[[5,4,3][2,1,0][7,8,6]] - Already visited Node!
[[5,4,3][0,2,1][7,8,6]] - $f(n) = 17 + 5 = 22$
[[5,4,3][2,8,1][7,0,6]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 16 - [[5,4,3][2,7,6][8,0,1]]

Generated Nodes :

[[5,4,3][2,0,6][8,7,1]] - $f(n) = 16 + 6 = 22$
[[5,4,3][2,7,6][8,1,0]] - Already visited Node!
[[5,4,3][2,7,6][0,8,1]] - $f(n) = 16 + 5 = 21$

Node Chosen for Level 15 - [[2,3,5][7,4,6][8,1,0]]

Generated Nodes :

[[2,3,5][7,4,0][8,1,6]] - Already visited Node!
[[2,3,5][7,4,6][8,0,1]] - $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 - [[2,3,5][7,1,4][0,8,6]]

Generated Nodes :

[[2,3,5][0,1,4][7,8,6]] - $f(n) = 15 + 6 = 21$
[[2,3,5][7,1,4][8,0,6]] - Already visited Node!

Node Chosen for Level 15 – [[5,7,4][2,1,3][0,8,6]]

Generated Nodes :

[[5,7,4][0,1,3][2,8,6]] – $f(n) = 15 + 7 = 22$
[[5,7,4][2,1,3][8,0,6]] – Already visited Node!

Node Chosen for Level 15 – [[2,5,4][8,3,6][1,7,0]]

Generated Nodes :

[[2,5,4][8,3,0][1,7,6]] – Already visited Node!
[[2,5,4][8,3,6][1,0,7]] – $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 – [[0,2,5][7,1,4][8,6,3]]

Generated Nodes :

[[2,0,5][7,1,4][8,6,3]] – Already visited Node!
[[7,2,5][0,1,4][8,6,3]] – $f(n) = 15 + 7 = 22$

Node Chosen for Level 15 – [[2,5,4][7,6,1][0,8,3]]

Generated Nodes :

[[2,5,4][0,6,1][7,8,3]] – $f(n) = 15 + 6 = 21$
[[2,5,4][7,6,1][8,0,3]] – Already visited Node!

Node Chosen for Level 17 – [[5,1,4][2,3,6][7,8,0]]

Generated Nodes :

[[5,1,4][2,3,0][7,8,6]] – Already visited Node!
[[5,1,4][2,3,6][7,0,8]] – $f(n) = 17 + 6 = 23$

Node Chosen for Level 17 – [[0,2,5][1,3,4][7,8,6]]

Generated Nodes :

[[2,0,5][1,3,4][7,8,6]] – Already visited Node!
[[1,2,5][0,3,4][7,8,6]] – Already visited Node!

Node Chosen for Level 16 – [[2,4,3][8,5,0][1,7,6]]

Generated Nodes :

[[2,4,0][8,5,3][1,7,6]] – Already visited Node!
[[2,4,3][8,0,5][1,7,6]] – $f(n) = 16 + 7 = 23$
[[2,4,3][8,5,6][1,7,0]] – $f(n) = 16 + 5 = 21$

Node Chosen for Level 17 – [[5,4,3][2,7,6][0,8,1]]

Generated Nodes :

[[5,4,3][0,7,6][2,8,1]] - $f(n) = 17 + 5 = 22$
[[5,4,3][2,7,6][8,0,1]] - Already visited Node!

Node Chosen for Level 16 - [[2,3,5][0,1,4][7,8,6]]

Generated Nodes :

[[0,3,5][2,1,4][7,8,6]] - $f(n) = 16 + 6 = 22$
[[2,3,5][1,0,4][7,8,6]] - $f(n) = 16 + 6 = 22$
[[2,3,5][7,1,4][0,8,6]] - Already visited Node!

Node Chosen for Level 16 - [[2,5,4][0,6,1][7,8,3]]

Generated Nodes :

[[0,5,4][2,6,1][7,8,3]] - $f(n) = 16 + 6 = 22$
[[2,5,4][6,0,1][7,8,3]] - $f(n) = 16 + 6 = 22$
[[2,5,4][7,6,1][0,8,3]] - Already visited Node!

Node Chosen for Level 17 - [[2,4,3][8,5,6][1,7,0]]

Generated Nodes :

[[2,4,3][8,5,0][1,7,6]] - Already visited Node!
[[2,4,3][8,5,6][1,0,7]] - $f(n) = 17 + 5 = 22$

Node Chosen for Level 15 - [[2,5,4][1,8,3][0,7,6]]

Generated Nodes :

[[2,5,4][0,8,3][1,7,6]] - Already visited Node!
[[2,5,4][1,8,3][7,0,6]] - Already visited Node!

Node Chosen for Level 16 - [[5,1,4][2,8,3][7,0,6]]

Generated Nodes :

[[5,1,4][2,0,3][7,8,6]] - Already visited Node!
[[5,1,4][2,8,3][7,6,0]] - $f(n) = 16 + 7 = 23$
[[5,1,4][2,8,3][0,7,6]] - $f(n) = 16 + 8 = 24$

Node Chosen for Level 18 - [[5,4,3][2,1,6][7,0,8]]

Generated Nodes :

[[5,4,3][2,0,6][7,1,8]] - $f(n) = 18 + 5 = 23$
[[5,4,3][2,1,6][7,8,0]] - Already visited Node!
[[5,4,3][2,1,6][0,7,8]] - $f(n) = 18 + 6 = 24$

Node Chosen for Level 17 – [[2,5,4][1,0,6][7,3,8]]

Generated Nodes :

[[2,0,4][1,5,6][7,3,8]] – $f(n) = 17 + 5 = 22$
[[2,5,4][1,6,0][7,3,8]] – $f(n) = 17 + 7 = 24$
[[2,5,4][0,1,6][7,3,8]] – $f(n) = 17 + 6 = 23$
[[2,5,4][1,3,6][7,0,8]] – Already visited Node!

Node Chosen for Level 18 – [[2,0,3][1,4,5][7,8,6]]

Generated Nodes :

[[2,3,0][1,4,5][7,8,6]] – $f(n) = 18 + 6 = 24$
[[0,2,3][1,4,5][7,8,6]] – $f(n) = 18 + 4 = 22$
[[2,4,3][1,0,5][7,8,6]] – Already visited Node!

Node Chosen for Level 18 – [[2,4,3][0,1,5][7,8,6]]

Generated Nodes :

[[0,4,3][2,1,5][7,8,6]] – $f(n) = 18 + 5 = 23$
[[2,4,3][1,0,5][7,8,6]] – Already visited Node!
[[2,4,3][7,1,5][0,8,6]] – $f(n) = 18 + 6 = 24$

Node Chosen for Level 16 – [[2,5,4][1,8,0][7,6,3]]

Generated Nodes :

[[2,5,0][1,8,4][7,6,3]] – $f(n) = 16 + 7 = 23$
[[2,5,4][1,0,8][7,6,3]] – $f(n) = 16 + 7 = 23$
[[2,5,4][1,8,3][7,6,0]] – Already visited Node!

Node Chosen for Level 15 – [[2,3,0][7,4,5][8,1,6]]

Generated Nodes :

[[2,0,3][7,4,5][8,1,6]] – $f(n) = 15 + 7 = 22$
[[2,3,5][7,4,0][8,1,6]] – Already visited Node!

Node Chosen for Level 15 – [[0,3,5][2,7,4][8,1,6]]

Generated Nodes :

[[3,0,5][2,7,4][8,1,6]] – $f(n) = 15 + 8 = 23$
[[2,3,5][0,7,4][8,1,6]] – Already visited Node!

Node Chosen for Level 15 – [[2,3,5][8,7,4][0,1,6]]

Generated Nodes :

[[2,3,5][0,7,4][8,1,6]] – Already visited Node!

$[[2,3,5][8,7,4][1,0,6]] - f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - $[[2,3,5][7,1,4][8,6,0]]$

Generated Nodes :

$[[2,3,5][7,1,0][8,6,4]] - f(n) = 15 + 8 = 23$

$[[2,3,5][7,1,4][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[5,7,0][2,3,4][8,1,6]]$

Generated Nodes :

$[[5,0,7][2,3,4][8,1,6]] - f(n) = 15 + 8 = 23$

$[[5,7,4][2,3,0][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[0,7,4][5,2,3][8,1,6]]$

Generated Nodes :

$[[7,0,4][5,2,3][8,1,6]] - \text{Already visited Node!}$

$[[5,7,4][0,2,3][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[5,7,4][8,2,3][0,1,6]]$

Generated Nodes :

$[[5,7,4][0,2,3][8,1,6]] - \text{Already visited Node!}$

$[[5,7,4][8,2,3][1,0,6]] - f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - $[[5,7,4][2,1,3][8,6,0]]$

Generated Nodes :

$[[5,7,4][2,1,0][8,6,3]] - f(n) = 15 + 8 = 23$

$[[5,7,4][2,1,3][8,0,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[2,5,0][8,3,4][1,7,6]]$

Generated Nodes :

$[[2,0,5][8,3,4][1,7,6]] - f(n) = 15 + 8 = 23$

$[[2,5,4][8,3,0][1,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[0,5,4][2,8,3][1,7,6]]$

Generated Nodes :

$[[5,0,4][2,8,3][1,7,6]] - f(n) = 15 + 8 = 23$

$[[2,5,4][0,8,3][1,7,6]] - \text{Already visited Node!}$

Node Chosen for Level 15 - $[[2,5,4][1,8,3][0,7,6]]$

Generated Nodes :

[[2,5,4][0,8,3][1,7,6]] - Already visited Node!
[[2,5,4][1,8,3][7,0,6]] - Already visited Node!

Node Chosen for Level 15 - [[2,5,0][8,7,4][1,6,3]]

Generated Nodes :

[[2,0,5][8,7,4][1,6,3]] - $f(n) = 15 + 8 = 23$
[[2,5,4][8,7,0][1,6,3]] - Already visited Node!

Node Chosen for Level 15 - [[2,5,4][8,0,7][1,6,3]]

Generated Nodes :

[[2,0,4][8,5,7][1,6,3]] - $f(n) = 15 + 7 = 22$
[[2,5,4][8,7,0][1,6,3]] - Already visited Node!
[[2,5,4][0,8,7][1,6,3]] - $f(n) = 15 + 8 = 23$
[[2,5,4][8,6,7][1,0,3]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[2,1,5][7,0,4][8,6,3]]

Generated Nodes :

[[2,0,5][7,1,4][8,6,3]] - Already visited Node!
[[2,1,5][7,4,0][8,6,3]] - $f(n) = 15 + 8 = 23$
[[2,1,5][0,7,4][8,6,3]] - $f(n) = 15 + 8 = 23$
[[2,1,5][7,6,4][8,0,3]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[0,5,4][2,7,1][8,6,3]]

Generated Nodes :

[[5,0,4][2,7,1][8,6,3]] - $f(n) = 15 + 8 = 23$
[[2,5,4][0,7,1][8,6,3]] - Already visited Node!

Node Chosen for Level 15 - [[2,5,4][8,7,1][0,6,3]]

Generated Nodes :

[[2,5,4][0,7,1][8,6,3]] - Already visited Node!
[[2,5,4][8,7,1][6,0,3]] - $f(n) = 15 + 8 = 23$

Node Chosen for Level 15 - [[2,5,4][7,6,1][8,3,0]]

Generated Nodes :

[[2,5,4][7,6,0][8,3,1]] - Already visited Node!
[[2,5,4][7,6,1][8,0,3]] - Already visited Node!

Node Chosen for Level 17 – [[5,1,0][2,3,4][7,8,6]]

Generated Nodes :

[[5,0,1][2,3,4][7,8,6]] – $f(n) = 17 + 6 = 23$
[[5,1,4][2,3,0][7,8,6]] – Already visited Node!

Node Chosen for Level 17 – [[0,1,4][5,2,3][7,8,6]]

Generated Nodes :

[[1,0,4][5,2,3][7,8,6]] – Already visited Node!
[[5,1,4][0,2,3][7,8,6]] – Already visited Node!

Node Chosen for Level 17 – [[2,3,5][1,0,4][7,8,6]]

Generated Nodes :

[[2,0,5][1,3,4][7,8,6]] – Already visited Node!
[[2,3,5][1,4,0][7,8,6]] – $f(n) = 17 + 6 = 23$
[[2,3,5][0,1,4][7,8,6]] – Already visited Node!
[[2,3,5][1,8,4][7,0,6]] – $f(n) = 17 + 7 = 24$

Node Chosen for Level 16 – [[7,2,5][3,4,0][8,1,6]]

Generated Nodes :

[[7,2,0][3,4,5][8,1,6]] – $f(n) = 16 + 7 = 23$
[[7,2,5][3,0,4][8,1,6]] – Already visited Node!
[[7,2,5][3,4,6][8,1,0]] – $f(n) = 16 + 6 = 22$

Node Chosen for Level 16 – [[7,2,5][3,1,4][8,0,6]]

Generated Nodes :

[[7,2,5][3,0,4][8,1,6]] – Already visited Node!
[[7,2,5][3,1,4][8,6,0]] – $f(n) = 16 + 7 = 23$
[[7,2,5][3,1,4][0,8,6]] – $f(n) = 16 + 6 = 22$

Node Chosen for Level 16 – [[7,2,5][8,3,4][1,0,6]]

Generated Nodes :

[[7,2,5][8,0,4][1,3,6]] – $f(n) = 16 + 7 = 23$
[[7,2,5][8,3,4][1,6,0]] – $f(n) = 16 + 7 = 23$
[[7,2,5][8,3,4][0,1,6]] – Already visited Node!

Node Chosen for Level 16 – [[5,0,3][2,4,7][8,1,6]]

Generated Nodes :

[[5,3,0][2,4,7][8,1,6]] – $f(n) = 16 + 8 = 24$

$[[0,5,3][2,4,7][8,1,6]] - f(n) = 16 + 7 = 23$
 $[[5,4,3][2,0,7][8,1,6]] - \text{Already visited Node!}$

Node Chosen for Level 16 - $[[5,4,3][0,2,7][8,1,6]]$

Generated Nodes :

$[[0,4,3][5,2,7][8,1,6]] - f(n) = 16 + 7 = 23$
 $[[5,4,3][2,0,7][8,1,6]] - \text{Already visited Node!}$
 $[[5,4,3][8,2,7][0,1,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[5,4,3][2,1,7][8,0,6]]$

Generated Nodes :

$[[5,4,3][2,0,7][8,1,6]] - \text{Already visited Node!}$
 $[[5,4,3][2,1,7][8,6,0]] - f(n) = 16 + 7 = 23$
 $[[5,4,3][2,1,7][0,8,6]] - f(n) = 16 + 6 = 22$

Node Chosen for Level 16 - $[[2,4,1][7,5,0][8,6,3]]$

Generated Nodes :

$[[2,4,0][7,5,1][8,6,3]] - \text{Already visited Node!}$
 $[[2,4,1][7,0,5][8,6,3]] - f(n) = 16 + 8 = 24$
 $[[2,4,1][7,5,3][8,6,0]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 18 - $[[5,0,3][2,4,1][7,8,6]]$

Generated Nodes :

$[[5,3,0][2,4,1][7,8,6]] - f(n) = 18 + 6 = 24$
 $[[0,5,3][2,4,1][7,8,6]] - f(n) = 18 + 5 = 23$
 $[[5,4,3][2,0,1][7,8,6]] - \text{Already visited Node!}$

Node Chosen for Level 18 - $[[5,4,3][0,2,1][7,8,6]]$

Generated Nodes :

$[[0,4,3][5,2,1][7,8,6]] - f(n) = 18 + 5 = 23$
 $[[5,4,3][2,0,1][7,8,6]] - \text{Already visited Node!}$
 $[[5,4,3][7,2,1][0,8,6]] - f(n) = 18 + 6 = 24$

Node Chosen for Level 17 - $[[5,4,3][2,0,6][8,7,1]]$

Generated Nodes :

$[[5,0,3][2,4,6][8,7,1]] - f(n) = 17 + 6 = 23$
 $[[5,4,3][2,6,0][8,7,1]] - f(n) = 17 + 7 = 24$
 $[[5,4,3][0,2,6][8,7,1]] - f(n) = 17 + 6 = 23$
 $[[5,4,3][2,7,6][8,0,1]] - \text{Already visited Node!}$

Node Chosen for Level 16 – [[2,3,5][7,4,6][8,0,1]]

Generated Nodes :

[[2,3,5][7,0,6][8,4,1]] – $f(n) = 16 + 7 = 23$
[[2,3,5][7,4,6][8,1,0]] – Already visited Node!
[[2,3,5][7,4,6][0,8,1]] – $f(n) = 16 + 6 = 22$

Node Chosen for Level 16 – [[5,7,4][0,1,3][2,8,6]]

Generated Nodes :

[[0,7,4][5,1,3][2,8,6]] – $f(n) = 16 + 7 = 23$
[[5,7,4][1,0,3][2,8,6]] – $f(n) = 16 + 7 = 23$
[[5,7,4][2,1,3][0,8,6]] – Already visited Node!

Node Chosen for Level 16 – [[2,5,4][8,3,6][1,0,7]]

Generated Nodes :

[[2,5,4][8,0,6][1,3,7]] – $f(n) = 16 + 7 = 23$
[[2,5,4][8,3,6][1,7,0]] – Already visited Node!
[[2,5,4][8,3,6][0,1,7]] – $f(n) = 16 + 7 = 23$

Node Chosen for Level 16 – [[7,2,5][0,1,4][8,6,3]]

Generated Nodes :

[[0,2,5][7,1,4][8,6,3]] – Already visited Node!
[[7,2,5][1,0,4][8,6,3]] – $f(n) = 16 + 7 = 23$
[[7,2,5][8,1,4][0,6,3]] – $f(n) = 16 + 7 = 23$

Node Chosen for Level 18 – [[5,4,3][0,7,6][2,8,1]]

Generated Nodes :

[[0,4,3][5,7,6][2,8,1]] – $f(n) = 18 + 5 = 23$
[[5,4,3][7,0,6][2,8,1]] – $f(n) = 18 + 5 = 23$
[[5,4,3][2,7,6][0,8,1]] – Already visited Node!

Node Chosen for Level 17 – [[0,3,5][2,1,4][7,8,6]]

Generated Nodes :

[[3,0,5][2,1,4][7,8,6]] – $f(n) = 17 + 6 = 23$
[[2,3,5][0,1,4][7,8,6]] – Already visited Node!

Node Chosen for Level 17 – [[2,3,5][1,0,4][7,8,6]]

Generated Nodes :

[[2,0,5][1,3,4][7,8,6]] – Already visited Node!

$[[2,3,5][1,4,0][7,8,6]] - f(n) = 17 + 6 = 23$
 $[[2,3,5][0,1,4][7,8,6]] - \text{Already visited Node!}$
 $[[2,3,5][1,8,4][7,0,6]] - f(n) = 17 + 7 = 24$

Node Chosen for Level 17 - $[[0,5,4][2,6,1][7,8,3]]$

Generated Nodes :

$[[5,0,4][2,6,1][7,8,3]] - f(n) = 17 + 6 = 23$
 $[[2,5,4][0,6,1][7,8,3]] - \text{Already visited Node!}$

Node Chosen for Level 17 - $[[2,5,4][6,0,1][7,8,3]]$

Generated Nodes :

$[[2,0,4][6,5,1][7,8,3]] - f(n) = 17 + 5 = 22$
 $[[2,5,4][6,1,0][7,8,3]] - f(n) = 17 + 6 = 23$
 $[[2,5,4][0,6,1][7,8,3]] - \text{Already visited Node!}$
 $[[2,5,4][6,8,1][7,0,3]] - f(n) = 17 + 7 = 24$

Node Chosen for Level 18 - $[[2,4,3][8,5,6][1,0,7]]$

Generated Nodes :

$[[2,4,3][8,0,6][1,5,7]] - f(n) = 18 + 6 = 24$
 $[[2,4,3][8,5,6][1,7,0]] - \text{Already visited Node!}$
 $[[2,4,3][8,5,6][0,1,7]] - f(n) = 18 + 5 = 23$

Node Chosen for Level 18 - $[[2,0,4][1,5,6][7,3,8]]$

Generated Nodes :

$[[2,4,0][1,5,6][7,3,8]] - f(n) = 18 + 5 = 23$
 $[[0,2,4][1,5,6][7,3,8]] - f(n) = 18 + 4 = 22$
 $[[2,5,4][1,0,6][7,3,8]] - \text{Already visited Node!}$

Node Chosen for Level 19 - $[[0,2,3][1,4,5][7,8,6]]$

Generated Nodes :

$[[2,0,3][1,4,5][7,8,6]] - \text{Already visited Node!}$
 $[[1,2,3][0,4,5][7,8,6]] - f(n) = 19 + 3 = 22$

Node Chosen for Level 16 - $[[2,0,3][7,4,5][8,1,6]]$

Generated Nodes :

$[[2,3,0][7,4,5][8,1,6]] - \text{Already visited Node!}$
 $[[0,2,3][7,4,5][8,1,6]] - f(n) = 16 + 6 = 22$
 $[[2,4,3][7,0,5][8,1,6]] - f(n) = 16 + 7 = 23$

Node Chosen for Level 16 - $[[2,0,4][8,5,7][1,6,3]]$

Generated Nodes :

[[2,4,0][8,5,7][1,6,3]] - $f(n) = 16 + 7 = 23$
[[0,2,4][8,5,7][1,6,3]] - $f(n) = 16 + 6 = 22$
[[2,5,4][8,0,7][1,6,3]] - Already visited Node!

Node Chosen for Level 17 - [[7,2,5][3,4,6][8,1,0]]

Generated Nodes :

[[7,2,5][3,4,0][8,1,6]] - Already visited Node!
[[7,2,5][3,4,6][8,0,1]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 17 - [[7,2,5][3,1,4][0,8,6]]

Generated Nodes :

[[7,2,5][0,1,4][3,8,6]] - $f(n) = 17 + 6 = 23$
[[7,2,5][3,1,4][8,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[5,4,3][2,1,7][0,8,6]]

Generated Nodes :

[[5,4,3][0,1,7][2,8,6]] - $f(n) = 17 + 6 = 23$
[[5,4,3][2,1,7][8,0,6]] - Already visited Node!

Node Chosen for Level 17 - [[2,3,5][7,4,6][0,8,1]]

Generated Nodes :

[[2,3,5][0,4,6][7,8,1]] - $f(n) = 17 + 5 = 22$
[[2,3,5][7,4,6][8,0,1]] - Already visited Node!

Node Chosen for Level 18 - [[2,0,4][6,5,1][7,8,3]]

Generated Nodes :

[[2,4,0][6,5,1][7,8,3]] - $f(n) = 18 + 5 = 23$
[[0,2,4][6,5,1][7,8,3]] - $f(n) = 18 + 4 = 22$
[[2,5,4][6,0,1][7,8,3]] - Already visited Node!

Node Chosen for Level 19 - [[0,2,4][1,5,6][7,3,8]]

Generated Nodes :

[[2,0,4][1,5,6][7,3,8]] - Already visited Node!
[[1,2,4][0,5,6][7,3,8]] - Already visited Node!

Node Chosen for Level 20 - [[1,2,3][0,4,5][7,8,6]]

Generated Nodes :

[[0,2,3][1,4,5][7,8,6]] - Already visited Node!
[[1,2,3][4,0,5][7,8,6]] - $f(n) = 20 + 2 = 22$
[[1,2,3][7,4,5][0,8,6]] - $f(n) = 20 + 4 = 24$

Node Chosen for Level 17 - [[0,2,3][7,4,5][8,1,6]]

Generated Nodes :

[[2,0,3][7,4,5][8,1,6]] - Already visited Node!
[[7,2,3][0,4,5][8,1,6]] - Already visited Node!

Node Chosen for Level 17 - [[0,2,4][8,5,7][1,6,3]]

Generated Nodes :

[[2,0,4][8,5,7][1,6,3]] - Already visited Node!
[[8,2,4][0,5,7][1,6,3]] - $f(n) = 17 + 6 = 23$

Node Chosen for Level 18 - [[2,3,5][0,4,6][7,8,1]]

Generated Nodes :

[[0,3,5][2,4,6][7,8,1]] - $f(n) = 18 + 5 = 23$
[[2,3,5][4,0,6][7,8,1]] - $f(n) = 18 + 4 = 22$
[[2,3,5][7,4,6][0,8,1]] - Already visited Node!

Node Chosen for Level 19 - [[0,2,4][6,5,1][7,8,3]]

Generated Nodes :

[[2,0,4][6,5,1][7,8,3]] - Already visited Node!
[[6,2,4][0,5,1][7,8,3]] - $f(n) = 19 + 4 = 23$

Node Chosen for Level 21 - [[1,2,3][4,0,5][7,8,6]]

Generated Nodes :

[[1,0,3][4,2,5][7,8,6]] - $f(n) = 21 + 3 = 24$
[[1,2,3][4,5,0][7,8,6]] - $f(n) = 21 + 1 = 22$
[[1,2,3][0,4,5][7,8,6]] - Already visited Node!
[[1,2,3][4,8,5][7,0,6]] - $f(n) = 21 + 3 = 24$

Node Chosen for Level 19 - [[2,3,5][4,0,6][7,8,1]]

Generated Nodes :

[[2,0,5][4,3,6][7,8,1]] - Already visited Node!
[[2,3,5][4,6,0][7,8,1]] - $f(n) = 19 + 5 = 24$
[[2,3,5][0,4,6][7,8,1]] - Already visited Node!
[[2,3,5][4,8,6][7,0,1]] - $f(n) = 19 + 5 = 24$

Node Chosen for Level 22 - $[[1,2,3][4,5,0][7,8,6]]$

Generated Nodes :

$[[1,2,0][4,5,3][7,8,6]] - f(n) = 22 + 2 = 24$
 $[[1,2,3][4,0,5][7,8,6]] - \text{Already visited Node!}$
 $[[1,2,3][4,5,6][7,8,0]] - f(n) = 22 + 0 = 22$

Node Chosen for Level 23 - $[[1,2,3][4,5,6][7,8,0]]$

The goal path found...

$[[7,2,4][5,0,6][8,3,1]]$
 $[[7,2,4][0,5,6][8,3,1]]$
 $[[7,2,4][5,3,6][8,0,1]]$
 $[[0,2,4][7,5,6][8,3,1]]$
 $[[7,2,4][8,5,6][0,3,1]]$
 $[[7,2,4][5,3,6][0,8,1]]$
 $[[7,0,4][5,2,6][8,3,1]]$
 $[[7,2,4][5,6,0][8,3,1]]$
 $[[7,2,4][5,3,6][8,1,0]]$
 $[[7,2,4][8,5,6][3,0,1]]$
 $[[7,2,4][0,3,6][5,8,1]]$
 $[[2,0,4][7,5,6][8,3,1]]$
 $[[7,4,0][5,2,6][8,3,1]]$
 $[[0,7,4][5,2,6][8,3,1]]$
 $[[7,2,0][5,6,4][8,3,1]]$
 $[[7,2,4][5,6,1][8,3,0]]$
 $[[7,2,4][8,5,6][3,1,0]]$
 $[[0,2,4][7,3,6][5,8,1]]$
 $[[7,2,4][3,0,6][5,8,1]]$
 $[[7,2,4][5,3,0][8,1,6]]$
 $[[7,2,4][8,0,6][3,5,1]]$
 $[[2,4,0][7,5,6][8,3,1]]$
 $[[5,7,4][0,2,6][8,3,1]]$
 $[[7,2,4][5,6,1][8,0,3]]$
 $[[7,2,4][5,6,1][0,8,3]]$
 $[[2,5,4][7,0,6][8,3,1]]$
 $[[7,4,6][5,2,0][8,3,1]]$
 $[[7,0,2][5,6,4][8,3,1]]$
 $[[7,2,4][8,5,0][3,1,6]]$
 $[[2,0,4][7,3,6][5,8,1]]$
 $[[7,0,4][3,2,6][5,8,1]]$
 $[[7,2,4][3,6,0][5,8,1]]$
 $[[7,2,4][3,8,6][5,0,1]]$
 $[[7,2,0][5,3,4][8,1,6]]$
 $[[7,2,4][5,0,3][8,1,6]]$
 $[[7,2,4][0,8,6][3,5,1]]$
 $[[5,7,4][2,0,6][8,3,1]]$
 $[[5,7,4][8,2,6][0,3,1]]$
 $[[7,2,4][5,0,1][8,6,3]]$
 $[[7,2,4][0,6,1][5,8,3]]$

[[7,2,4][0,5,3][8,1,6]]
[[7,2,4][0,5,1][8,6,3]]
[[7,0,4][8,2,6][3,5,1]]
[[7,2,4][8,6,0][3,5,1]]
[[2,4,6][7,5,0][8,3,1]]
[[2,5,4][0,7,6][8,3,1]]
[[2,5,4][7,3,6][8,0,1]]
[[7,4,6][5,0,2][8,3,1]]
[[7,4,6][5,2,1][8,3,0]]
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[[2,3,4][7,0,6][5,8,1]]
[[7,4,0][3,2,6][5,8,1]]
[[0,7,4][3,2,6][5,8,1]]
[[7,2,0][3,6,4][5,8,1]]
[[7,2,4][3,6,1][5,8,0]]
[[7,2,4][3,8,6][5,1,0]]
[[7,2,4][3,8,6][0,5,1]]
[[7,2,4][5,1,3][8,0,6]]
[[0,2,4][7,8,6][3,5,1]]
[[7,2,4][3,8,6][0,5,1]]
[[5,0,4][2,7,6][8,3,1]]
[[5,7,4][2,3,6][8,0,1]]
[[5,7,4][8,2,6][3,0,1]]
[[7,2,4][5,1,0][8,6,3]]
[[0,2,4][7,6,1][5,8,3]]
[[7,2,4][6,0,1][5,8,3]]
[[0,2,4][7,5,3][8,1,6]]
[[7,2,4][8,5,3][0,1,6]]
[[0,2,4][7,5,1][8,6,3]]
[[7,2,4][8,5,1][0,6,3]]
[[2,5,4][7,3,6][0,8,1]]
[[7,4,6][0,5,2][8,3,1]]
[[7,6,2][0,5,4][8,3,1]]
[[7,2,4][5,1,3][0,8,6]]
[[5,7,4][2,3,6][0,8,1]]
[[2,5,4][0,3,6][7,8,1]]
[[2,5,4][7,6,0][8,3,1]]
[[7,2,4][8,0,5][3,1,6]]
[[7,0,2][5,3,4][8,1,6]]
[[7,0,4][5,2,3][8,1,6]]
[[5,7,4][2,6,0][8,3,1]]
[[7,0,4][5,2,1][8,6,3]]
[[7,4,0][8,2,6][3,5,1]]
[[0,7,4][8,2,6][3,5,1]]
[[7,2,0][8,6,4][3,5,1]]
[[7,2,4][8,6,1][3,5,0]]
[[2,4,6][7,5,1][8,3,0]]
[[0,5,4][2,7,6][8,3,1]]
[[2,5,4][8,7,6][0,3,1]]

[[2,5,4][7,3,6][8,1,0]]
[[7,0,6][5,4,2][8,3,1]]
[[7,4,6][5,3,2][8,0,1]]
[[7,4,6][5,2,1][8,0,3]]
[[5,7,2][0,6,4][8,3,1]]
[[7,6,2][5,4,0][8,3,1]]
[[7,6,2][5,3,4][8,0,1]]
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[[5,7,4][8,0,6][3,2,1]]
[[5,7,4][8,2,6][3,1,0]]
[[7,2,0][5,1,4][8,6,3]]
[[7,2,4][5,1,3][8,6,0]]
[[7,2,4][6,1,0][5,8,3]]
[[7,2,4][8,5,3][1,0,6]]
[[7,2,4][8,5,1][6,0,3]]
[[0,4,6][7,5,2][8,3,1]]
[[7,4,6][8,5,2][0,3,1]]
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[[7,6,2][8,5,4][0,3,1]]
[[7,2,4][0,1,3][5,8,6]]
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[[2,5,4][3,0,6][7,8,1]]
[[7,4,6][5,3,2][0,8,1]]
[[7,4,6][5,2,1][0,8,3]]
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Time Taken : 2847 milliseconds

The number of nodes that are generated are : 15586

The number of nodes that are expanded are : 5764