

Output:

```
E:\Every Study Materials\repos\Materials\SEM-6\Artificial Intelligence\my practicals\codes>python -u "e:\Every  
racticals\codes\p2.py"  
21012011074_Guru Patel  
Enter the max value of jug1: 8  
Enter the max value of jug2: 5  
Enter the goal state of jug1: 4  
Solution Found  
  
Path: (0,0)->(8,0)->(3,5)->(3,0)->(0,3)->(8,3)->(6,5)->(6,0)->(1,5)->(1,0)->(0,1)->(8,1)->(4,5)->(4,0)  
cost: 13  
Execution time : 0.9913444519042969 ms
```

Name: Guru Patel**Enrollment No: 21012011074****Batch: 6CE-E-1**