```
self.H=heuristicNodeList
   self.start=startNode
   self.parent={}
   self.status={}
   self.aoStar(self.start, False)
   return self.status.get(v,0)
   return self.H.get(n,0) # always return the heuristic value of a given node
def setHeuristicNodeValue(self, n, value):
   print("----")
   print("-----")
def computeMinimumCostChildNodes(self, v): # Computes the Minimum Cost of child nodes of a given
   costToChildNodeListDict={}
   flag=True
   for nodeInfoTupleList in self.getNeighbors(v): # iterate over all the set of child node/s
```

```
cost=cost+self.getHeuristicNodeValue(c)+weight
    if flag==True: # initialize Minimum Cost with the cost of first set of child node/s
        costToChildNodeListDict[minimumCost] = nodeList # set the Minimum Cost child node/s
        flag=False
            costToChildNodeListDict[minimumCost] = nodeList # set the Minimum Cost child
print("HEURISTIC VALUES :", self.H)
print("PROCESSING NODE :", v)
    minimumCost, childNodeList = self.computeMinimumCostChildNodes(v)
    print(minimumCost, childNodeList)
    for childNode in childNodeList:
        self.parent[childNode]=v
        if self.getStatus(childNode)!=-1:
            solved=solved & False
        self.setStatus(v,-1)
        self.solutionGraph[v]=childNodeList # update the solution graph with the solved
        self.aoStar(self.parent[v], True) # backtracking the current node value with
```