graph={

'A':['B','C'],

'B':['A','D'],

'C':['A','E','D'],

'D':['B','C'],

'E':['C']

}

visited=[]

queue=[]

def bfs(graph,src,dest):

if src not in visited:

visited.append(src)

if src in queue:

queue.remove(src)

for i in graph[src]:

if i not in visited and i not in queue:

queue.append(i)

if dest not in visited:

for i in queue:

if dest not in visited:

src=i

bfs(graph,src,dest)

else:

break

src=input("enter the source : ")

dest=input("enter the destination : ")

bfs(graph,src,dest)

print(visited)