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#diikstra
from queue import PriorityQueue
n, s, f = map(int, input().split())
graph = dict()
dist = dict()
prev = dict()
q = PriorityQueue()
for i in range(1, n + 1):
  line = list(map(int, input().split()))
   graph[i] = list()
  for j in range(1, n + 1):
     if line[j - 1] >= 0:
        graph[i].append((j, line[j - 1]))
        dist[j] = float('inf')
q.put((0, s))
dist[s] = 0
while not q.empty():
   elem = q.get()
   v = elem[1]
   cur_d = elem[0]
  if cur_d > dist[v]:
     continue
  for i in range(len(graph[v])):
     to = graph[v][i][0]
     L = graph[v][i][1]
     if dist[v] + L < dist[to]:
        dist[to] = dist[v] + L
        prev[to] = v
        q.put((dist[to], to))
if dist[f] != float('inf'):
  line = list()
  node = f
   while node != s:
     line.append(node)
     node = prev[node]
   line.append(s)
   print(*line[::-1])
else:
  print(-1)
# dfs
n, m = map(int, input().split())
graph = dict()
used = [False] * (n + 1)
for i in range(m):
  f, s = map(int, input().split())
  if f not in graph:
     graph[f] = list()
  if s not in graph:
     graph[s] = list()
   graph[f].append(s)
   graph[s].append(f)
```

```
def dfs(v, p):
  used[v] = True
  if v not in graph:
     return
  for u in graph[v]:
     if not used[u]:
        dfs(u, v)
     elif u != p:
        return 'NO'
  return 'YES'
if m == n - 1 and graph.keys():
  print(dfs(1, -1))
else:
  print('NO')
#bfs
from queue import Queue
n = int(input())
visited = list()
graph = dict()
q = Queue()
adj = [0] * n
def bfs(start, end):
  if start == end:
     return 0
  q.put(start)
  while not q.empty():
     v = q.get()
     for u in graph[v]:
        if u != end and u not in visited:
          adj[u - 1] = v
          visited.append(v)
          q.put(u)
        elif u in visited:
          continue
        else:
          adj[u - 1] = v
          return 1
  return -1
def counting(start, end):
  a = end
  visited.clear()
  while a != start:
     visited.append(a)
     a = adj[a - 1]
  visited.append(a)
```

```
for i in range(1, n + 1):
    graph[i] = list()
    line = input()
    for num, j in enumerate(line.split(), 1):
        if j == '1':
            graph[i].append(num)
start, end = list(map(int, input().split()))

count = bfs(start, end)
if count < 1:
    print(count)
else:
    counting(start, end)
    print(len(visited) - 1)
    print(*reversed(visited))</pre>
```