

Memory limit: 256 MBs

The optimal path by the number of transitions

Cost: 8 | Solved: 100

Time limit: 1 s			
Input: input.txt			
Output: output.txt			
Task:			
You are given an undirected graph.			
Find the optimal path by the number of transitions between two vertexes.			
Input:			
The first line contains a natural n (1 $\leq n \leq$ 100) – the quantity of graph's vertexes.			
The next n lines contain the adjacency matrix of the graph (0 means no edge, 1 means the edge exists). ັ້ນ ເປັນ			
The last line contains the indices of two vertexes – the initial and the final.			
Output:			
The first line should contain the length of the shortest path possible (the quantity of vertexes to go to).			
The second line should contain the path itself.			
If the path doesn't exist, output -1.			
Example:			
Input	Output	b <mark>ug (/en/we</mark> bform-feedback/nojs?submittedfrom=tasks/task/16233)	
		a bı	

5	
01001	
10100	3
01000	3215
00000	3213
10000	
3 5	
5	
01001	
10100	
01000	-1
00000	
10000	3
4 5	ask/16233}