



(/en/),
v1.1.0

CSD Testing System

(/en/)

From adjacency matrix to edge list

Cost: 4 | Solved: 141

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

A graph is given by adjacency matrix.

Output its representation in the form of edge list.

Input:

The first line contains a natural n ($1 \leq n \leq 100$) – the quantity of the graph's vertexes.

The next n lines contain n numbers (the adjacency matrix), each is equal to either 0 or 1 (0 means no edge, 1 means the edge exists).

Output:

The edge list of the given graph.

Example:

Input	Output
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5	
00100	13
00101	23
11000	25
00000	
01000	