02. Short test Path Finder

Condition:

You have a network of cities connected by roads. Each road has a length that can be different. Your goal is to find the shortest path between two given cities.

Input:

- On the first line, an integer n is entered, which represents the number of cities.
- The next n lines introduce a matrix of distances between cities. Each number in the matrix represents the distance between two cities. If two cities are not directly connected, the distance is given as inf.
- On the last line, two numbers are entered, separated by a space, representing the starting and ending cities.

Output:

The shortest path between the starting and ending cities.

Examples:

Input	Output
3 0 5 3 5 0 2 3 2 0 0 2	0 2