Problem B

Maze Pathfinding

Time limit: 1 second
Memory: 1024 megabytes

Problem Description

You are given a map representing a maze divided into a grid of square cells **N × N**. Each cell can either be a path or a wall. You start at the first cell **(1, 1)** and need to find the shortest path to the destination cell located at the bottom-right corner of the grid **(N, N)**. You can move to any adjacent cell (***up, down, left, or right***) as long as it's within the grid and is a path, not a wall.

Your task: Write a program to determine the shortest path length from the starting cell to the destination. If it's not possible to reach the destination from the start, print **-1**. Otherwise, print the length of the shortest path.

Input:

- The first line contains the grid size **N** (**N ≤ 100**).
- Each following line represents the grid, with **1** for passable paths and **0** for walls.

Output:

- A single positive integer indicating the length of the shortest path, if a path exists. Otherwise print **-1**.

Example:

INPUT	OUTPUT
5 1 1 0 1 1 0 1 0 0 1 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1	10