

You are given a square grid with some cells open (.) and some blocked (X). Your playing piece can move along any row or column until it reaches the edge of the grid or a blocked cell. Given a grid, a start and an end position, determine the number of moves it will take to get to the end position.

For example, you are given a grid with sides  $n = 3$  described as follows:

```
...
.X.
...
```

Your starting position ( $startX, startY$ ) = (0, 0) so you start in the top left corner. The ending position is ( $goalX, goalY$ ) = (1, 2). The path is (0, 0) → (0, 2) → (1, 2). It takes 2 moves to get to the goal.

### Function Description

Complete the *minimumMoves* function in the editor. It must print an integer denoting the minimum moves required to get from the starting position to the goal.

*minimumMoves* has the following parameter(s):

- *grid*: an array of strings representing the rows of the grid
- *startX*: an integer
- *startY*: an integer
- *goalX*: an integer
- *goalY*: an integer

### Input Format

The first line contains an integer  $n$ , the size of the array *grid*.

Each of the next  $n$  lines contains a string of length  $n$ .

The last line contains four space-separated integers, *startX*, *startY*, *goalX*, *goalY*

### Constraints

- $1 \leq n \leq 100$
- $0 \leq startX, startY, goalX, goalY < n$

### Output Format

Print an integer denoting the minimum number of steps required to move the castle to the goal position.

### Sample Input

```
3
.X.
.X.
...
0 0 0 2
```

### Sample Output

```
3
```

### Explanation

Here is a path that one could follow in order to reach the destination in 3 steps:

(0, 0) → (2, 0) → (2, 2) → (0, 2).