# CRooms

You are given a map of a building, and your task is to count the number of its rooms. The size of the map is $n \times m$ squares, and each square is either floor or wall. You can walk left, right, up, and down through the floor squares.

## Input: from file crooms.inp

The first input line has two integers $n$ and $m$: the height and width of the map.

Then there are $n$ lines of $m$ characters describing the map. Each character is either . (floor) or # (wall).

## Output: to file crooms.out

Print one integer: the number of rooms.

## Constraints

- $1 \le n, m \le 10001$

## Example

| Crooms.inp | Crooms.out |
|---|---|
| 5 8<br>########<br>#..#...#<br>####.#.#<br>#..#...#<br>######## | 3 |