Count the room

Time limit: 1 second
Memory limit: 2048 megabytes

In this program, you will receive a map of a building. Your task is to count the number of rooms in this building. The map is represented by an **n** × **m** matrix, and each element of the matrix is either floor or wall (‘ **.** ’ is a floor and ‘#’ is a wall). The connected ‘ **.** ’ need to be seen as the same room..

- **Input Format**
  The first line has two integers, **n** and **m,** which represent the height and width of the map.
  Following the first line, there are **n** lines with **m** characters describing the map.

- **Output Format**
  The number of rooms

- **Technical Specifications**
  - $1 \leq n,\ m \leq 1000$

Input	Output
3 3 ### #.# ###	1
7 7 ####### #..#### ###..## ##..#.# ##.##.# ###.### #######	4
3 5 #.### .#.#. #.##.	5