

### Name's program 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

- $1 \leq n, m \leq 1000$

#### Example

CROOMS . INP	CROOMS . OUT
5 8 ##### #..#...# #####.#.# #..#...# #####	3