



## Task Emacs

While playing in his favourite text editor, Daniel decided to draw a picture that was  $N$  characters high and  $M$  characters wide. The picture consists solely of characters '.' and '\*' such that characters '\*' form some non-overlapping rectangles. The rectangles don't even touch each other on their sides or corners.

Help Daniel count the number of rectangles drawn on the picture.

### Input

The first line contains two integers  $N$  and  $M$  ( $1 \leq N, M \leq 100$ ) from task description. Each of the next  $N$  lines contains  $M$  characters '.' or '\*' which represent the picture that Daniel drew.

### Output

In a single line you should output the number of rectangles on the picture.

### Scoring

In the test cases worth a total of 10 points, all rectangles will consist of a single '\*' character. In the test cases worth additional 15 points, it will hold  $N = 1$ .

### Examples

**input**

```
6 7
***....
***.***
.....**
.***.**
.***...
.***...
```

**output**

3

**input**

```
3 3
*. *
...
*. *
```

**output**

4

**input**

```
1 10
.*.**.***.
```

**output**

3