# TBC

Given a matrix (city map) of 't's (tunnel) and 'd's (dirt), count the number of connected tunnels in the city.

A connected tunnel is surrounded by dirt and is formed by connecting adjacent 't's horizontally, vertically or diagonally.

## Input

* On the first line you will receive an integer – r – representing the number of rows in the map.
* On the second line you will receive an integer – c – representing the number of columns in the map.
* On the next r lines, you will receive values for each row in a single line.

## Output

* Print the number of connected tunnels.

## Constraints

* You may assume all four edges of the city map are all surrounded by dirt.
* r and c will be in the range [1, 1000].
* Map elements will be either **t** or **d**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  6  tddddt  dtdddt  ddtddt  dddtdt | 2 |
| 4  6  tdttdt  tdttdt  tdttdt  tdttdt | 3 |