**Making a Map**

A new cluster of islands have been discovered in an uncharted region of the world and they need your help determining how many islands there are! You will be provided an overhead view of the region with land being represented as 1’s and water being represented as 0’s. A cluster of 1’s are considered an island whenever the 1’s are connected horizontally or vertically. diagonally connected 1’s are not considered part of the same landmass.

**Input:** The first line of input contains **R** and **C** the number of rows and columns present respectively. The next **R** lines contain **C** space-separated integers which will be either 1’s or 0’s.

**Output:** The total number of islands present.

**Example Input:**

4 5

1 1 0 0 0

1 1 0 0 0

0 0 1 0 1

0 0 0 1 1

**Example Output:**

3