

## Problem : Continents and Oceans

There will be several continents on a world map. Idea is to identify the number of continents and the mass in each.

The land is denoted by '#' and ocean by spaces. You have to find the number of continents (connected masses of land) and print the number of # in the continent.

Connected mass of land means that # can be connected in any way i.e. horizontally, vertically or diagonally.

**Input Format:**

1. Path to a file, for example /tmp/T1.txt
2. This file contains 15 rows and 60 columns depicting a map. See Examples section below.

**Output Format:**

Number of # per continent in descending order of size and total number of continents in the format depicted below

Island 1: <Biggest mass> say 100

Island 2: <Smallest mass> say 50

Number of continents: 2

**Example 1:**

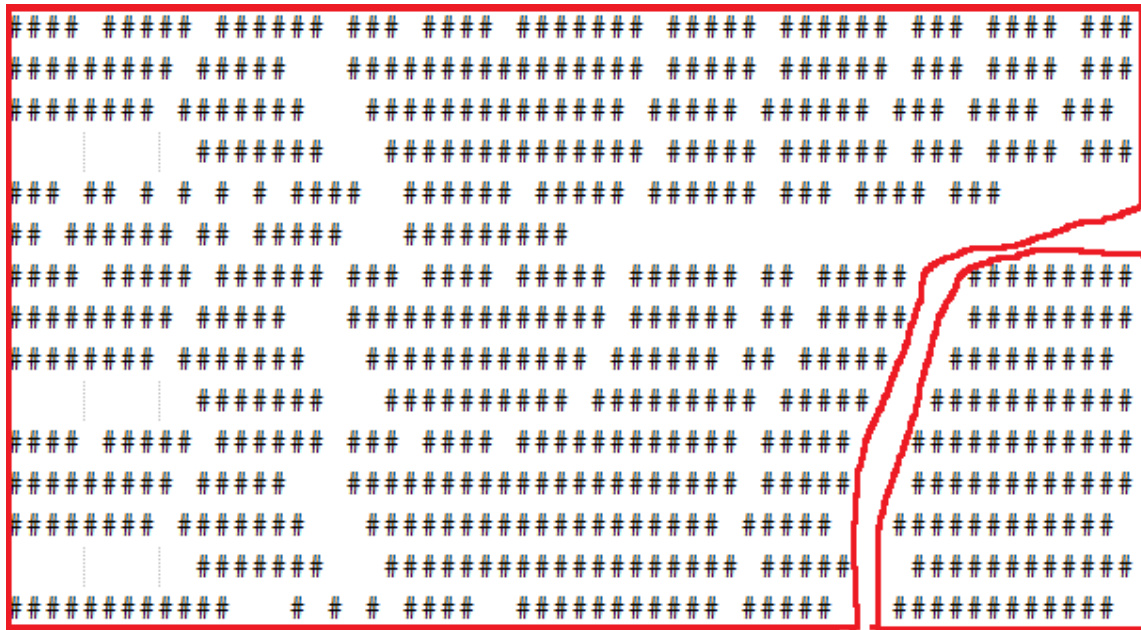
[illegible]

Output:

Island 1: 593

Island 2: 98

Number of continents: 2



Output:  
 Island 1: 593  
 Island 2: 98  
 Number of continents: 2

**Example 2:**



Output:  
 Island 1: 805  
 Island 2: 68  
 Number of continents: 2

**Note:**

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

**Note:**

Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc

**Note:**

For C and C++, return type of main() function should be int.