Price Wars

Filename: `price`

You've gotten a job at the local grocery store and your boss has asked you to get some pricing information for the nearest competitor. You are to go over to their store and track the price of several of their items on different days. From that data, you are supposed to figure out the price that occurs the most often (the *mode*) within the sample of days, so that your boss has a good idea what price to expect from her competitor.

The Problem:

Given prices of an item for several days, determine which price occurs most frequently.

The Input:

The first line of input will contain a single positive integer, n, representing the number of items to price. The data for each item follows on the next n lines. The first value on each of these lines will be a positive integer, k ($k \leq 100$), representing the number of days for which you have price data for that item. This is followed by k positive integers less than 1,000,000, representing the price of the item on each of the k sample days in cents. All of the numbers on each line will be separated by a single space.

The Output:

For each item, output a single line of the following format:

`Item #x: Most likely price is c cents.`

where x is the item number (starting at 1) and c is the most frequent price of that item in cents, according to the days the price was taken. It is guaranteed that the most likely price will be unique; namely, for each item, there will be one number that appears strictly more times than any other number.

Output a blank line after the output for each item.

Sample Input:

```
2
5 99 129 99 99 99
10 529 609 499 529 519 609 439 459 609 599
```

Sample Output:

```
Item #1: Most likely price is 99 cents.

Item #2: Most likely price is 609 cents.
```