**Popping Balloons**

Sami is practicing her aim with her bow and is shooting some balloons in the air. On each balloon, they have different numbers written on them which represent their size. She would like to pop the balloon that has the most balloons of the same size present. If there is a tie, then she will instead pop the balloon of the size highest in the air. Do you think you can output which balloon she pops on each shot?

**Input:** The first line of input contains **N**, the number of balloons and **P**, the number of pops you will perform. The second line contains **N** space-separated integers which represent the balloons and their size. The order of the balloons are given in lowest to highest in the air order.

**Output:** You will output “Pop #(number of pop): “ followed by the size of the balloon you popped.

**Example Input:**

6 4

5 7 5 7 4 5

**Example Output:**

Pop #1: 5

Pop #2: 7

Pop #3: 5

Pop #4: 4

**Explanation:** For pop #1, we return 5 because it is the most frequent, the list now becomes {5, 7, 5, 7, 4}. In pop #2, we return 7, since 5 and 7 are the most frequent, but 7 is the highest, so we pop 7. The list now becomes {5, 7, 5, 4}. In pop #4, we pop 5 since it’s the most frequent. The list now becomes {5, 7, 4}. In pop #4, we pop 4 since there’s only one of each balloon, but it is the highest of them all.