**Function Description**

An array of size is given, find the most frequent element of the array, also calculate the **Harmonic** and **Geometric Mean** of all the elements of the array.

**Note:-** If there are more than one most frequent elements then do not display it in output.

**Input Format**

The input will provide the array.

**Output Format**

Display the most frequent element on first line, only if the element is valid, else display **Geometric Mean** on the first line.

Display **Harmonic Mean** on the next line after **Geometric Mean.**

**Note:-** Limit **Harmonic** and **Geometric Mean** upto 4 decimal digits only.

**Constraints**

1<=Size of array<=10^{3}

**Sample Input**

[1,2,3]

**Sample Output**

1.8171

1.6364

**Explanation**

There is no valid most frequent element. So, the first line of display is Geometric Mean and the second line is Harmonic Mean.