## OR

Given an array of $N$ integers $A_{1}, A_{2}, A_{3} \ldots A_{N}$. If you randomly choose two indexes $i, j$ such that $1 \leq$ $i<j \leq N$, what is the expected value of $A_{i} \mid A_{j}$ ?

## Input

First line contains an integer T, the number of test cases. Each test case consists of two lines.
First line denotes the size of array, N and second line contains N integers forming the array.
$1 \leq \mathrm{T} \leq 10$
$2 \leq N \leq 100,000$
$0 \leq \mathrm{Ai}<2^{31}$

## Output

For each test case, print the answer as an irreducible fraction. Follow the format of the sample output.
The fraction $p / q$ ( $p$ and $q$ are integers, and both $p \geq 0$ and $q>0$ holds) is called irreducible, if there is no such integer $d>1$ that divides both $p$ and $q$ separately.

## Example

## Input:

2
2
00
3
123
Output:
0/1
3/1

