# Maximizing the equation

Given 3 sequences of positive numbers A,B and C. Your mission is to maximize this equation:

$$Z = A[i] / (B[j] * C[k]).$$

In other words, you have to choose any numbers from the given sequences in order to maximize Z.

### Input:

First line contains a positive integer T which is the number of test cases. Each test case has the following format:

Ν

A[0] A[1] A[2] .... A[N-1]

Μ

B[0] B[1] B[2] ..... B[M-1]

Ρ

C[0] C[1] C[2] ..... C[P-1]

#### **Constraints:**

1<= T <=100

 $1 \le N,M,P \le 10000$ 

 $1 \le A[i], B[i], C[i] \le 1000$ 

#### **Output:**

Print T lines, one for each test case that contains the maximum Z rounded to 2 decimal places.

#### Sample Input:

2

3

123

4

5678

3

1026

## Sample Output:

0.30

1.25