## Maximizing the equation

Given 3 sequences of positive numbers $A, B$ and $C$. Your mission is to maximize this equation:
$Z=A[i] /\left(B[j]{ }^{*} C[k]\right)$.
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:

N
$A[0] A[1] A[2] . . . . A[N-1]$
M
$B[0] B[1] B[2] \ldots . . . B[M-1]$

P

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

## Constraints:

$1<=\mathrm{T}<=100$
$1<=N, M, P<=10000$
$1<=A[i], B[i], C[i]<=1000$

## 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

## Sample Output:

0.30
1.25

