T - Soft Drinking

This winter is so cold in Nvodsk! A group of *n* friends decided to buy *k* bottles of a soft drink called "Take-It-Light" to warm up a bit. Each bottle has *l* milliliters of the drink. Also they bought *c* limes and cut each of them into *d* slices. After that they found *p* grams of salt.

To make a toast, each friend needs *nl* milliliters of the drink, a slice of lime and *np* grams of salt. The friends want to make as many toasts as they can, provided they all drink the same amount. How many toasts can each friend make?

**Input**

The first and only line contains **positive** integers *n*, *k*, *l*, *c*, *d*, *p*, *nl*, *np*, not exceeding 1000 and no less than 1. The numbers are separated by exactly one space.

**Output**

Print a single integer — the number of toasts each friend can make.

**Examples**

**Input**

3 4 5 10 8 100 3 1

**Output**

2

**Input**

5 100 10 1 19 90 4 3

**Output**

3

**Input**

10 1000 1000 25 23 1 50 1

**Output**

0

**Note**

A comment to the first sample:

Overall the friends have 4 \* 5 = 20 milliliters of the drink, it is enough to make 20 / 3 = 6 toasts. The limes are enough for 10 \* 8 = 80 toasts and the salt is enough for 100 / 1 = 100 toasts. However, there are 3 friends in the group, so the answer is ***min*(6, 80, 100) / 3 = 2.**

#include <iostream>

#include <algorithm>

using namespace *std*;

int main(void)

{

int nFriends, kBottels, lMilliliters, cLimes,

dSlices, pGrams, nlMilliliters, npGrams;

// 3 4 5 10 8 100 3 1

*cin* >> nFriends

>> kBottels

>> lMilliliters

>> cLimes

>> dSlices

>> pGrams

>> nlMilliliters

>> npGrams;

*cout* << *min*(*min*(kBottels \* lMilliliters/ nlMilliliters, cLimes \* dSlices), pGrams / npGrams) /nFriends << *endl*;

return 0;

}