Ranjan And Friends

Ranjan has invited N number of friends to his Birthday Party.Its too hot outside, so he decides to make lemonade at home.Thera are only A water bottles left with him each of B millilitres capacity and C limes which he cut each lime into D slices. He also has E grams of sugar.

For each drink he needs F milliliters of water, a slice of lime and G grams of sugar.He wants to make as many drinks as possible.Provided that they (friends) all want to drink the same number of drinks. How many drinks can each friend have?

NOTE : Ranjan is not going to drink lemonade.

Input

Input contains 8 positive integers N, A, B, C, D, E, F, G seperated by space.

Constraints :
$1 <= N, A, B, C, D, E, F, G <= 1000$

Output

Output contains single integer - the number of drinks each friend can have.

Sample Tests:
Input #1

1 7 4 5 5 8 3 2

Output #1

4

Input #2

2 3 3 5 5 10 1 3

Output #2

1

Explanation of first input :

Overall Ranjan has $7 * 4 = 28$ milliliters of the water, it is enough to make $28 / 3 = 9$ drinks. The limes are enough for $5 * 5 = 25$ drinks and the sugar is enough for $8 / 2 = 4$ drinks. However, there is only 1 friend, so the answer is $\min(9, 25, 4) / 1 = 4$.