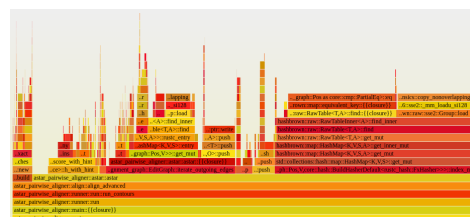# F Fastestest Function

Time limit: 1s

You are working as a software developer for the Bug Acquisition Programming Company. They developed a specific piece of software called Program C that they sell to their clients. For the past weeks, you have been working on optimising a specific function `foo` in the main code path in Program C. You have made it a lot faster and would like to show off to your boss about it.

A flamegraph.

Your IDE has a nice tool that allows you to profile your code and tell you what percentage of the total running time `foo` takes. You can run this on the version before your change and after your change. However, you think it looks a lot cooler if you can just tell your boss how much faster you have made `foo` itself.

Input

The input consists of:

- One line with two integers x and y ($0 < x, y < 100$), where x is the percentage of the total running time that `foo` took before optimising and y the percentage of the total running time it took after optimising.

Output

Output the factor of how much faster `foo` got after your optimization.

Your answer should have an absolute or relative error of at most 10^{-6}.

Sample Input 1	Sample Output 1
75 50	3.0

Sample Input 2	Sample Output 2
50 75	0.3333333333333333

Sample Input 3	Sample Output 3
50 50	1.0