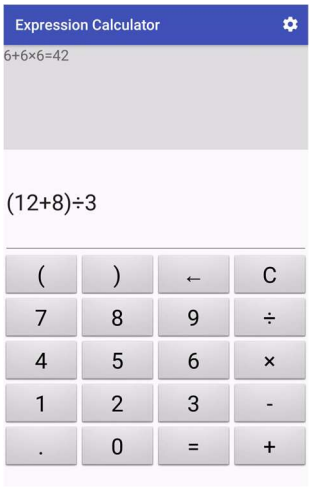
C. Maximum value

Time Limit: 3 seconds

Problem description

Remi is learning addition, subtraction, multiplication, division and calculation priority based on parentheses.



Her teacher gives an expression with 6 operands and 5 operations (? + ? - ?) * ? - (? / ?). Please help Remi to find the greatest value of given expression by swapping the positions of 6 operands.

For example, even if 6 operands have values 1, 1, 1, 2, 5, 6. Possible situations are:

001. (1 + 1 - 1) * 2 - (5 / 6) = 1.166667

002. (1 + 1 - 1) * 2 - (6 / 5) = 0.800000

…

120. (6 + 5 - 2) * 1 - (1 / 1) = 8.000000

The cases where the expression reaches its greatest value are:

1. (2 + 5 - 1) * 6 - (1 / 1) = 35.000000

2. (5 + 2 - 1) * 6 - (1 / 1) = 35.000000

Input data is given in the form

Only one line, contains 6 ascending numbers, numbers separated by at least one space. The value of the operands is an integer with values from -10^9 to 10^9.

Output result is given in the form

Only one line, contains the greatest value of a given expression. Note that you must display 6 digits after the decimal point.

Example 1:

INPUT	OUTPUT
1 1 1 2 5 6	35.000000

Example 2:

INPUT	OUTPUT
2 5 6 6 7 9	98.166667