

23 out 5

Extracted from: UVa
Source file name: out.py
Time limit: 3

Your task is to write a program that can decide whether you can find an arithmetic expression consisting of five given numbers a_i ($1 \leq i \leq 5$) that will yield 23.

For this problem we will only consider arithmetic expressions of the following form:

$(((a_1 op_1 a_2) op_2 a_3) op_3 a_4) op_4 a_5$

where $op_i \in \{+, -, *\}$, ($1 \leq i \leq 5$)

Input

The input consists of 5 positive integers, each between 1 and 50.

The input must be read from standard input.

Output

Print "Possible" (without quotes) if exists and arithmetic expression (as described above) that yields 23. Otherwise print "Impossible".

The output must be written to standard output.

Sample Input	Sample Output
1 1 1 1 1	Impossible

Sample Input	Sample Output
11 4 2 6 3	Possible

Sample Input	Sample Output
20 1 1 1 1	Possible

Note: Using loops is not allowed.