

**Croc Champ 2013 - Trial Contest (Finals)****A. Intersection**

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You are given two set of points. The first set is determined by the equation  $A_1x + B_1y + C_1 = 0$ , and the second one is determined by the equation  $A_2x + B_2y + C_2 = 0$ .

Write the program which finds the number of points in the intersection of two given sets.

**Input**

The first line of the input contains three integer numbers  $A_1, B_1, C_1$  separated by space. The second line contains three integer numbers  $A_2, B_2, C_2$  separated by space. All the numbers are between -100 and 100, inclusive.

**Output**

Print the number of points in the intersection or -1 if there are infinite number of points.

**Sample test(s)**

input
1 1 0 2 2 0
output
-1

  

input
1 1 0 2 -2 0
output
1

## B. Quiz

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

This is not a typical problem for programming competitions. It can't be used in a serious contests, the right place for this problem is a trial contest. To one side it will be a little fun for you, and on the other hand — it is a good task to test an environment. Bring to your attention a *quiz*.

**Please, do not use Internet to find answers.**

It consists of ten questions. There are ten tests in the complete testset, one per each question. A test consists of a single integer number between 1 and 10 — a question number. Also it is guaranteed that the test index is the same as a question number in it. So the first test contains 1, the second test contains 2 and so on. The pretests are the first six tests.

Write a program printing the correct answer on each test.

1. What is a measure of an electric current? **A:** ampere, **B:** volt, **C:** watt
2. What is the Earth's highest mountain? **A:** Mount Elbrus, **B:** Mount Kilimanjaro, **C:** Mount Everest
3. What countries met in the FIFA World Cup Finals 2002? **A:** France and Argentina, **B:** France and Germany, **C:** Germany and Brazil
4. What kind of sports is NOT part of athletics? **A:** shot put, **B:** pole vault, **C:** diving
5. Freon — is a ... **A:** rocket propellant, **B:** refrigerant, **C:** gas to fill the gas discharge tubes
6. What is the biggest planet in the Solar System? **A:** Uranus, **B:** Pluto, **C:** Jupiter
7. Which U.S. president is on the one dollar bill? **A:** George Washington, **B:** Benjamin Franklin, **C:** Abraham Lincoln
8. How many legs a spider has? **A:** 6, **B:** 8, **C:** 10
9. Who wrote "Gulliver's Travels"? **A:** Daniel Defoe, **B:** Jules Verne, **C:** Jonathan Swift
10. What is the law which describes how the pressure of a gas tends to decrease as the volume of a gas increases? **A:** Boyle-Mariotte, **B:** Gay-Lussac, **C:** Mendeleev-Clapeyron

### Input

The input contains the only integer number  $n$  ( $1 \leq n \leq 10$ ). It is guaranteed that the question index is equal to  $n$ .

### Output

Print "A", "B" or "C".

### Sample test(s)

input
1
output
A