# Problem 3 – Biggest 3 Prime Numbers

You are given **n numbers** in format **(*a1*) (*a2*) … (*an*)**. Write a program to **find the sum of the 3 biggest non-repeating prime numbers** inside the input sequence. A prime number is a [natural number](http://en.wikipedia.org/wiki/Natural_number) greater than 1 that has no positive divisors other than 1 and itself.

### Input

The input comes from the console. It consists of a **single line holding the input sequence of numbers**. All numbers are in brackets. Spaces can be put anywhere between the numbers, even at the sequence start and at the sequence end. The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

Print **the sum of the 3 biggest non-repeating prime numbers** at the console. If there are no 3 non-repeating prime numbers in the sequence, print **“No”.**

### Constraints

* The input **numbers** will be integers in the range [-100…100].
* The count of the input numbers will be in the range [1…1000].
* Time limit: 0.3 sec. Memory limit: 16 MB.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| (1)(2)**(3)**(4)**(5)**(6)**(7)**(8)(9)(10) | 15 |
| ( -3 ) **(2)** ( 1) | No |
| ( ) (-10 ) **( 7 ) (5)** (3) ( 5 ) ( 7 )(-3) ( 1) **( 17)** | 29 |
| **(11 )** (-21 ) **( 31 ) ( 41 )** ( 51 ) | 83 |
| **(11)(3)**(8)(4)(-6) | No |