

## Problem B

# Pop Out Primes

### Problem Statement:

Write a program to find Nth prime number in a given range, inclusive of the first and the last element in that range. Program should accept input using command line arguments. In case of a bad input, program should output appropriate message as mentioned in output specification below.

### The problem should obey following constraints :

1. Valid range for this problem statement is between 0 and 150000 (One lakh fifty thousand)
2. First element of the range should be less than the last element in the range
3. Prime number index starts from 1

### Information:

A prime number (or a prime) is a natural number greater than 1 that has no positive divisors other than 1 and itself.

### Input Format:

Line 1	From Number, say N1
Line 2	To Number, say N2
Line 3	Nth prime number between N1 and N2 where $N \geq 1$

### Output Format:

Line 1	<b>For Valid inputs</b> Prime Number at N <sup>th</sup> position in a given range, <b>followed by a new line.</b>  <b>For Invalid input</b> Invalid Input, <b>followed by a new line.</b> <b>OR</b> OR No prime number is present at this index, <b>followed by a new line</b> as is applicable
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### Sample Inputs and Outputs.

Sr. No	Input	Output
1	1 15 6	13
2	5 1000 94	503
3	1 15 9	No prime number is present at this index
4	59      1 96    OR   a 0       2	Invalid Input.

