05A

300

BRZ

38R23C105A 3BR23C105A 3BR23C105A

-35 CURTISH 3FRONT SURFAN 3FRONT SURFAN 3FRONT SURFAN SURF

5A3



STUDENT REPORT

BRZ

### **DETAILS**

#### Name

MAHITHA CHOWDARY M

054

**Roll Number** 

3BR23CD054

#### EXPERIMENT

**Title** 

,05A

305A3BP

## MATHS TEST Description

Alice has a mathematics test for which she is underprepared. She has to do at least one question correctly to pass the test. He decides to do a question which needs her to find the smallest prime number which is larger than a given integer N. Your task is to find and return an integer value representing the smallest prime number larger than N.

#### **Input Format**:

input1: An integer value N

#### **Output Format:**

Return an integer value representing the smallest prime number larger than N.

38R23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23CH05A3BR23C

20

#### Sample Input

6

#### **Sample Output**

7

# 38R23CD05A3BR23CD05A3BR23~ 3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR23CD05A3BR22CD05A3BR23CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22CD05A3BR22C

9/27/24, 2:18 PM

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3BR23CD054-Maths Test
    def next_prime(N):
      num = N + 1
      while True:
        is_prime = True
        for i in range(2, int(num**0.5) + 1):
          if num % i == 0:
            is_prime = False
            break
        if is_prime:
          return num
        num += 1
    N = int(input())
    result = next_prime(N)
    print(result)
RESULT
 0 / 5 Test Cases Passed | 0 %
```