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STUDENT REPORT

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BRZ

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38R23CD39 38R23C

-Standan Standan Stand

DETAILS

Name

K V RUCHITHA

030

Roll Number

3BR23CD039

EXPERIMENT

Title

,039

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.

38R23C1039 38R23C1030 38R23C1030 38R23C1030 38R23C1030 38R23C10300 38R23C1030 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C10000 38R2000 38R2000 38R2

Sample Input

6

Sample Output

7

38R23CD0393RR23CD0393RR23 38R23C1039 38R23C10039 38R23C1039 38R23C1030 38R23C1000 38R23C1000 38R2000 38R2000 38R2000 38R2000 38R20000 38R2000 38R20

9/26/24, 10:06 AM

```
3BR23CD039-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
  5 / 5 Test Cases Passed | 100 %
```