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E103

STUDENT REPORT

Name

DASARI KEERTHI

BRZ

Roll Number

3BR23AI039

EXPERIMENT

Title

,41039

58R23A10°

MATHS TEST

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.

Sample Input

6

Sample Output

7

38R23A1039 38R23A1039 38R23A1039 38R21 3BR23A1039 3BR23A1039 3BR23A 38R23A1039 38R23A1039

38223AQ39 34823AQ39 3A039 3BR23A039 38R23A1039 38R23A1039

9/27/24, 9:55 AM

```
3BR23Al039-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)
5 / 5 Test Cases Passed | 100 %
```

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