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STUDENT REPORT

Alos

Name

JAYASHREE B

Roll Number

3BR23AI059

EXPERIMENT

Title

,41059

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.

23A059 3BR23A059 3BR23A059

38R23A1059 38R23A1059

38R23AND59 3BR23AND59 3BR23AND59

Input Format:

input1: An integer value N

Output Format:

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

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Sample Input

5BR23AIOÉ 6

Sample Output

7

23A1059

38R23A1059 38R23A1059 38R23A1059 38R21 3BR23A1059 3BR23A1059 3BR23A 38R23A1059 38R23A1059

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```
3BR23AI059-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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