28/09/2024, 11:51 3BR23AI174-Maths Test

1 × 30

BRZ



2234

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110

3ATT

MARRI

A3BR231

STUDENT REPORT

DETAILS

Name

V LAVANYA

Roll Number

3BR23AI174

EXPERIMENT

Title

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.

38R23A11A3BR23A11A3BR23A11TA3BR23A11TA3BR23A11TA

Sample Input

6

58R23A11

Sample Output

7

3BR23A17A3BR23A17A3BR23A 3BR23A11A3BR23A11A3BR23A11

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```
3BR23AI174-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 %
```

https://practice.reinprep.com/student/get-report/a9a7547a-7bfa-11ef-ae9a-0e411ed3c76b