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BRZ

STUDENT REPORT

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066

Name

PRATHAM P

Roll Number

3BR23CD066

EXPERIMENT

Title

,066

3066 3BP

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.

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Sample Input

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Sample Output

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3BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR23CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25CD0665BR25C 38R23C106638R23C106638R23C106638R23C106638R23C106638R23C106638R23C106638R23C106638R23C106638R23C106638R23C10663 3BR23CD0663BR23CD0663BR23

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9/28/24, 10:10 PM

```
3BR23CD066-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/7a63a0c0-7d7f-11ef-ae9a-0e411ed3c76b