STUDENT REPORT

DETAILS

Name

Altaf

Roll Number

22BI24ME439-T

EXPERIMENT

Title

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.

Sample Input

6

Sample Output

7

Source Code:

```
N=int(input())
num=N+1
while 'True':
    is_prime='True'
    if num>1:
        for i in range(2,int(num**0.5)+1):
            if num%i==0:
                is_prime+False
                break
        if is_prime:
            print(num)
            break
    num+=1
```

RESULT