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MATHS TEST 1230 388 CEST 1 ASBERTS C	1 A 3BE
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	
Input Format:	\$12.3°C
input1: An integer value N	
input1: An integer value N  Output Format:	505011
Return an integer value representing the smallest prime number larger than N.	,~
Sample Input	<
Sample Input  6	14386
Sample Output	
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Source Code: 38R235 388 38R235501 38R25501 38R2501 38R25501 38R2501 38R25501 38R25501 38R25501 38R25501 38R25501 38R25501 38R25501 38R25501 38R25501 38R2501 38R2501 38R2501 38R2501 38R2501 38R2501 38R2501 38R2501 38R25	32 <sup>2</sup> 2°
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def is_prime(num):
             if num <= 1:
                return False
             if num <= 3:
                return True
             if num % 2 == 0 or num % 3 == 0:
                return False
             i = 5
             while i * i <= num:
                if num % i == 0 or num % (i + 2) == 0:
                  return False
                i += 6
             return True
         def find_smallest_prime_larger_than_n(n):
             candidate = n + 1
             while not is_prime(candidate):
                 candidate += 1
             return candidate
         n = int(input())
                                                                                                    Jasola Starzi
         result = find_smallest_prime_larger_than_n(n)
         print(result)
RESULT
```

5 / 5 Test Cases Passed | 100 %