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03BR23A		STUDENT I	REPORT &	3P 3BR	381563
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3R213	ETAILS ARE REPORTED TO THE REPORT OF THE REP	1150 SE	3A15° 3BR73A	156 3RRV	3A1563 CBR23A1
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Tit	de aski	3A156	38R23A11	2 A/26 31	5823A1133
223A115	Alice has a methomatica test for which	38136 388238136 388238136	382 <sup>23</sup> 2 <sup>13</sup> 6 <sup>3</sup> 8 <sup>2</sup> 2 <sup>3</sup> 2 <sup>1</sup> 156 <sup>3</sup> 8 <sup>2</sup>	73A136 3BR23A136 3BR23A136	38R23A1563BR23A1563BR
Br. [	Description	, 56	-3A11 -BR23	~0 %	3BR23R
3A1563	Alice has a mathematics test for which decides to do a question which needs he to find and return an integer value representation.	sne is underprepared. She er to find the smallest prim	nas to do at least one c le number which is larg	destion correctly to par	N. Your task is
V 3	Input Format:				23A1156
150 3BR2	input1: An integer value N				
150	Output Format:				1756 3EF
	Return an integer value representing the	smallest prime number la	rger than N.		1/2
3BR23A1	Sample Input				
3B,	6				3812231
(	Sample Output				
234156	7				
~	3813P	13h150 3BR??	,56 3BR2	3R1563* BR2	SALLY STEP STEP STEP STEP STEP STEP STEP STEP
1,50 381	38R <sup>23</sup> R <sup>136</sup> 38R <sup>23</sup> R <sup>23</sup>	3R1563	38R23A11	3R1563V	BRIDALINE (SE
A	156.38 (38P.23A) (38P.23A)	156388	38R23A	156 3BR22 3R1	So St Control of the
3BR73	2 K136 38	R23F	23A156	3P. 150 3BRIV	ARTING STORY
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	38R23A1563BR23A1563BR23A1563BR23A1563B	0.38R23A11503BR23A1150BR23A	38136381	S. S	Sellis Se
	38 <sup>1</sup>	38K13K1	3A1156'3	ARE BARNES	BY SHE
	381	36 38R23R	GO SHEV	SEE	A A A A A A A A A A A A A A A A A A A
	3 <sup>th</sup>	281,50 aR23A	CP 38 ESTON	and Section 1987	( September 1)

```
def is_prime(num):
    if num <= 1:
       return False
    for i in range(2, int(num**0.5) + 1):
        if num % i == 0:
           return False
    return True
def smallest_prime_greater_than(N):
    candidate = N + 1 # Start checking from the next integer
    while True:
       if is_prime(candidate):
           return candidate
        candidate += 1 # Move to the next integer
# Input handling
N = int(input())
# Output the result
                                                                                                   1 3 8 2 3 A 1 5 6 3 A 1 5 6 3 A 1 5 6
print(smallest_prime_greater_than(N))
```

RESULT

5 / 5 Test Cases Passed | 100 %