

algoal league

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Algorithm Competition Summer Camp 2023 Foundation Upsolving Contest

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AB

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Problem

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AB means "water" in Persian.

You are asked to construct a string of length N using only the letters A and B, so that it does not contain the word "AB".

How many different strings can be constructed for a given number of N ?

Input Format

N in a single line, length of the string

Output Format

Print the number of strings that satisfy the conditions in one line.

Constraints

$1 \leq N \leq 10^9$

Sample Input 1

3

Sample Output 1

4

Explanation 1

- BAA
- BBA
- AAA
- BBB

There are 4 strings satisfying the conditions.

C++ (GCC 9.2.0)

Bright

Memory Limit (kB) : 256000 Time Limit (s) : 1

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 int main() {
6     int n;
7     cin >> n;
8     cout << n + 1;
9     return 0;
10 }
11
```

 Upload File

☐ Test against custom test case

Run Code

Submit

✓ [Sample Test Case 0](#)

Accepted

Input(stdin)

1	3
---	---

Output(stdin)

1	4
---	---

Expected Output

1	4
---	---

