Lyndon's Golf Contest 1 P3 - Boolean (Buffed)

Time limit: 2.0s **Memory limit:** 256M

One of DMOJ's oldest problems, Boolean, is coming back! Unfortunately, many users have been exploiting the problem by cheesing it with `eval`. This time, we've made sure not to let that happen.

Given a string s $(1 \leq |s| \leq 1000)$ consisting of a non-negative number of space-separated `not` directives followed by a `true` or `false`, evaluate the boolean expression.

Note: You may only submit to this problem in Python 3.

Input Specification

The first line of input contains a string s.

Output Specification

Output on a single line, either `true` or `false`, corresponding to the result of the boolean expression.

Scoring

Your score will be computed based on the **length of your source code**, the shorter the better. For an L-byte program,

- if $L \leq 37$, you will receive the full 100 points.
- if $38 \leq L \leq 42$, you will receive $80 - 5 \times (L - 38)$ points.
- if $43 \leq L$, you will receive $\lfloor 2^{0.21(70-L)} \rfloor$ points.

Sample Input 1

```
not not true
```

Sample Output 1

```
true
```

Sample Input 2

```
not not not false
```

Sample Output 2

```
true
```