BlueBook - Powers of 2

Time limit: 1.0s   **Memory limit:** 16M

BlueBook

Write a program that reads a positive integer and then finds the smallest power of two greater than or equal to the number that was read.

Input Specification

Each test case will input a single integer number.

Output Specification

You are to output a single integer number.

Sample Input

```
200
```

Sample Output

```
8
```