

That's Odd

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output
points: 100 · problem code: thatsodd · author: Parsa

Don't think too hard about it!

Input

The input consists of a single integer n ($1 \leq n \leq 20$).

Output

Print YES if it's odd. Otherwise print NO.

Example 1

Input

1

NO

Example 2

Input

12

YES