

29 March 2025

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

points: 100 · problem code: 29march2025 · author: Parsa

In the kingdom of MAPS, specific hours of the day are celebrated.

Input

The input consists of a single integer h , representing an hour. Your task is to determine whether this hour is considered a celebrated one.

Output

Print YES if that hour is celebrated. Otherwise print NO.

Constraints

$$1 \leq h \leq 12$$

Example 1

Input

1

NO

Example 2

Input

12

YES