

# Agent 099145

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output  
points: 100 · problem code: agent099145

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In the MAPS kingdom, instead of agent 007, they have agent 099145 — and he loves a special kind of numbers.

## Input

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The input is an integer  $n$ .

## Output

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Output YES if our agent loves this number, otherwise print NO.

## Constraints

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$$0 \leq n \leq 10^9$$

## Example 1

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### Input

1

YES

## Example 2

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### Input

178

YES

## Example 3

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### Input

7

NO

## Example 4

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### Input

99

NO