



Утегенов Батырхан Елембетұлы [ADS-Lab-01]: Submit a solution

Info	Summary	Submissions	Standings	Submit clar	Clars	Settings
Logout [ads23_22B030458]						

10:44:35 / RUNNING

A	B	C	D	E	F	G	H	I	J
---	---	---	---	---	---	---	---	---	---

Submit a solution for H-140306. Prime or not

Time limit: 1 s  
Real time limit: 5 s  
Memory limit: 256M

Problem H: 140306. Prime or not

Asman is very curious and likes to check whether some number is prime or not. Check if the number is prime. A prime number is a number that has only 2 divisors, it is 1 and the number itself.

Input format

The only line of the input contains one integer  $a$  ( $1 \leq a \leq 10^6$ ).

Output format

Print “YES” (without quotes) if the number is prime. Otherwise print “NO” (without quotes)

Examples

Input

1

Output

NO

Input

10

Output

NO

Input

2

Output

YES

Input

97

Output

YES

Submit a solution

Language: 

g++ - GNU C++ 11.4.0

File

Выберите файл

Файл не выбран

Send!

Send!

Previous submissions of this problem

Run ID	Time	Size	Problem	Language	Result	Failed test	View source	View report
2882	259:54:01	593	H	g++	OK	N/A	<a href="#">View</a>	<a href="#">View</a>
2881	259:52:46	606	H	g++	Wrong answer	1	<a href="#">View</a>	<a href="#">View</a>
2880	259:47:38	439	H	g++	Wrong answer	1	<a href="#">View</a>	<a href="#">View</a>

A B C D E F G H I J