

# Function

Input file: standard input  
Output file: standard output  
Time limit: 1 second  
Memory limit: 1024 megabytes

Ranran have a function  $f$  , and now he wants to find the value of  $f(1) \bmod 998244353$

It is known that:

$$f(x) = \begin{cases} 0 & x > n \\ 1 + \sum_{k=2}^{20210926} f(kx) & \text{otherwise} \end{cases}$$

## Input

The first line of the input contains a single integer  $n$  ( $1 \leq n \leq 10^9$ ).

## Output

Output a single line contains a single integer, indicating the answer.

## Examples

standard input	standard output
1	1
2	2
100	949