

Twelve

SEASON 9 – SECOND ROUND



Name is currently learning about divisibility and has to tell if a given number is divisible by 12. Help him out by writing a program that does that.

Input

From the first line of the input file `twelve.in` the number N is entered.

Output

In the output file `twelve.out` print “Yes” or “No” (without the quotation marks) - whether or not the number is divisible by 12.

Constraints

$1 \leq \text{number of digits of } N \leq 100$

Time limit: 0.2 seconds

Memory limit: 256 MB

Example

Input (<code>twelve.in</code>)	Output (<code>twelve.out</code>)
11	No
3302526400689228017280372	Yes