Twelve

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

$1 \leq number\ of\ digits\ of\ N \leq 100$

Time limit: 0.2 seconds
Memory limit: 256 MB

Example

Input (twelve.in)	Output (twelve.out)
11	No
330252640068922801728 0372	Yes