72772. Leap year

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

It is required to determine whether a given year is a leap. A year is a leap if the number is divided by 4, but not by 100, and also if it is divided by 400.

Input

Input a single number - the number of the year. $1 \le year \le 30000$

Output

Output "YES"or "NO"

Examples

standard input	standard output
2007	NO
2000	YES
3005	NO
2012	YES
30000	YES