Divisible

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

Given two numbers N and X. Determine whether N is **divisible** by X or **not**.

Input

Only one line contains two numbers N and X ($0 \le N \le 10^{10000}, 1 \le X \le 10^9$) .

Output

Print "**YES**" if N is divisible by X otherwise, print "**NO**".

Examples

standard input	standard output
15 3	YES
10 7	NO