



## Multiple of 3

time limit: 1 second  
memory limit: 64 MB  
input: standard input  
output: standard output

Given an integer  $N$ , determine whether it is a multiple of 3.

### Input

The only line contains an integer  $N$ .

$$0 \leq N \leq 10^{100}$$

### Output

Output Yes if  $N$  is a multiple of 3. Otherwise, output No.

### Examples

input

1

output

No

input

2016

output

Yes

input

123456789012345678901234567890

output

Yes



## Pizza Slice

time limit: 1 second  
memory limit: 64 MB  
input: standard input  
output: standard output

Everyone love pizza. Being hungry, you just ordered a pizza for dinner.

The pizza's diameter is  $D$  inches and it is divided into  $N$  slices. Your task is to compute the area of one slice.

### Input

The only line contains two integers,  $D$  and  $N$ .

$$1 \leq D \leq 100, 1 \leq N \leq 100$$

### Output

Output a number, the area of one single slice in square inches.

Your answer will be accepted if the relative error or absolute error, whichever is less, is not greater than  $10^{-6}$ .

### Example

input

9 6

output

10.602875