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**Newcomers Training , Do Your Best** 

CALENDAR HELP HOME CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API

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# J. Lucky Division

time limit per test: 2 seconds memory limit per test: 256 megabytes input: standard input output: standard output

Petya loves lucky numbers. Everybody knows that lucky numbers are positive integers whose decimal representation contains only the lucky digits 4 and 7. For example, numbers 47, 744, 4 are lucky and 5, 17, 467 are not.

Petya calls a number <u>almost lucky</u> if it could be evenly divided by some lucky number. Help him find out if the given number n is almost lucky.

### Input

The single line contains an integer n ( $1 \le n \le 1000$ ) — the number that needs to be checked.

## Output

In the only line print "YES" (without the quotes), if number n is almost lucky. Otherwise, print "NO" (without the quotes).

Examples	
input	Сору
47	
output	Сору
YES	
input	Сору
16	
output	Сору
YES	
input	Сору
78	
output	Сору
NO	

Note that all lucky numbers are almost lucky as any number is evenly divisible by itself.

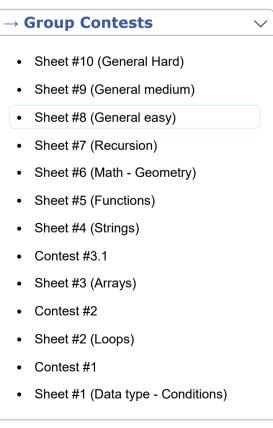
In the first sample 47 is a lucky number. In the second sample 16 is divisible by 4.

### → Attention

The package for this problem was not updated by the problem writer or Codeforces administration after we've upgraded the judging servers. To adjust the time limit constraint, a solution execution time will be multiplied by 2. For example, if your solution works for 400 ms on judging servers, then the value 800 ms will be displayed and used to determine the verdict.

# **Assiut University Training -Newcomers Public** Participant





### Sheet #8 (General easy)

**Finished**