A. 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 *almost lucky* 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 ≤ *n* ≤ 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**

47

**output**

YES

**input**

16

**output**

YES

**input**

78

**output**

NO

**Note**

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.