

# Creep Year (20 Points)

## ZPRAC-16-17-Lab3

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Bhuvash is eagerly waiting for Shivam's birthday so that he can have the delicious cake Shivam's mother, Harpreeta bakes. However, he recalls that Shivam was born on 30th February (which only occurs in a creep year) and is worried that he might not get the cake this year. He decides to check if the current year is a creep year or not. But he was too busy eating during school, and does not know how to check for creep years and comes to you for help. Given a year, you have to print if it is a creep year or not.

Note: Creep year is a year in which creeps are born (Just kidding ;) ). It is a year whose number is perfectly divisible by both 3 and 5 - except for years which are divisible by 100.

Input: One line denoting the year ( $n, 0 \leq n \leq 100000$ )

Output: Print "Yes" (if it is a creep year) or "No" (if it is not a creep year)

Example:

Input:

50

Output:

No

Input:

15

Output:

Yes