Problem 1: Luka is a single mom who has 1 daughter Lucy and 1 son Aragon. She got promoted today. Therefore, she walked to the supermarket to buy a package of candies for her children. Lucy and Aragon are both geniuses at mathematics. They want to divide the candies into 2 smaller packages that have equal numbers of candies.

Your task: Print 'YES' to console if the number of candies x can divide into a smaller package and satisfy Luka's children's conditions. Otherwise, print 'NO'.

Example:

Input
6

Output
YES

Problem 2: Let's click this link.