

Day 1: cake problem

It is Laurence's birthday and Geofferey and Andrew decide to bake him a birthday cake as a surprise.

Goefferey is going to bake the first part of the cake while Andrew the another.

They plan to bake the cake in such a way that each of the two parts weigh even number of grams, at the same they do not have to be but can be equal. They are running out of time for Laurence's birthday and need to bake the cake as soon as possible, that's why you should help them and find out if they can divide the flour in the way they want. For sure, each of them should get a part of positive weight.

Input Format

The first (and the only) input line contains integer number d ($1 \leq d \leq 1500$) grams — the weight of the cake flour.

Constraints

- $1 \leq d \leq 1500$

Output Format

OUTPUT: Print YES, if they both can divide the flour into two parts, each of them weighing even number of grams; and NO in the opposite case.

Sample Input 0

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4
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Sample Output 0

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YES
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Explanation 0

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4 can be divided as 2 and 2
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Sample Input 1

```
6
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Sample Output 1

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YES
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