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A. Watermelon

time limit per test: 1 second

memory limit per test: 64 megabytes

One hot summer day Pete and his friend Billy decided to buy a watermelon. They chose the biggest and the ripest one, in their opinion. After that the watermelon was weighed, and the scales showed w kilos. They rushed home, dying of thirst, and decided to divide the berry, however they faced a hard problem.

Pete and Billy are great fans of even numbers, that's why they want to divide the watermelon in such a way that each of the two parts weighs even number of kilos, at the same time it is not obligatory that the parts are equal. The boys are extremely tired and want to start their meal as soon as possible, that's why you should help them and find out, if they can divide the watermelon in the way they want. For sure, each of them should get a part of positive weight.

Input

The first (and the only) input line contains integer number w ($1 \leq w \leq 100$) — the weight of the watermelon bought by the boys.

Output

Print **YES**, if the boys can divide the watermelon into two parts, each of them weighing even number of kilos; and **NO** in the opposite case.

Examples

input	Copy
8	
output	Copy
YES	

Note

For example, the boys can divide the watermelon into two parts of 2 and 6 kilos respectively (another variant — two parts of 4 and 4 kilos).

→ 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.

Codeforces Beta Round 4 (Div. 2 Only)

Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.


[Start virtual contest](#)

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[Clone Contest](#)

→ Submit?

 Language: GNU G++17 7.3.0 

 Choose file: [Choose File](#) No file chosen

[Submit](#)

→ Last submissions

Submission	Time	Verdict
227559066	Oct/10/2023 18:07	Accepted
227557958	Oct/10/2023 18:04	Wrong answer on test 8
227557376	Oct/10/2023 18:00	Wrong answer on test 5
227556975	Oct/10/2023 17:58	Runtime error on test 1
41979061	Aug/23/2018 01:28	Accepted
41979023	Aug/23/2018 01:24	Wrong answer on test 8
41978971	Aug/23/2018 01:19	Wrong answer on test 5
41978965	Aug/23/2018 01:19	Runtime error on test 1
41978942	Aug/23/2018 01:16	Runtime error on test 1
11501913	Jun/08/2015 21:22	Accepted

→ Problem tags

brute force math *800

No tag edit access

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