

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

## G. Petya and Lollipops

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

Petya is a nerd boy who hates *even* numbers except for 10. One day Petya wanted to buy some lollipops, so he went to the bank to get some money.

The bank employee gave him coins with value  $n$ . Unfortunately,  $n$  is an *even* number. Petya wanted to exchange one of his coins with value  $n$  with some coins which have odd values or a value of 10. His good friend Vasya told him that he has an infinite number of coins of values (25, 10, 5 and 1) and that he doesn't mind exchanging some of them with one coin of value  $n$ .

Petya doesn't like to carry a lot of coins with him so he wants to know the minimum number of coins he needs to take in exchange for the coin with value  $n$ .

The sum of values of the coins he will choose must be exactly  $n$ .

### Input

The input consists of a single positive even integer  $n$  ( $2 \leq n \leq 1000000$ ).

### Output

If Petya doesn't have to exchange  $n$  at all print 0, otherwise you should print one positive integer — the minimum number of coins he will take instead of the coin with value  $n$ .

### Examples

input	Copy
30	
output	Copy
2	

input	Copy
8	
output	Copy
4	

### Note

In the first sample test case you can exchange 30 by 25 and 5, hence the answer is 2.

ICPC Assiut Advanced Newcomers 2023

Private

Participant

→ Group Contests

- ICPC Assiut Advanced Newcomers 2023 Contest 5
- ICPC Assiut Advanced Newcomers 2023 Contest 4
- ICPC Assiut Advanced Newcomers 2023 Contest 3
- ICPC Assiut Advanced Newcomers Practice #1
- ICPC Assiut Advanced Newcomers 2023 Contest 2
- ICPC Assiut Advanced Newcomers 2023 Onsite Contest 2
- ICPC Assiut Advanced Newcomers 2023 Contest 1
- ICPC Assiut Advanced Newcomers 2023 Onsite Contest 1

ICPC Assiut Advanced Newcomers 2023 Contest 3

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

→ Submit?

Language: GNU G++20 11.2.0 (64 bit, w

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">227219353</a>	Oct/08/2023 18:39	Accepted
<a href="#">227218655</a>	Oct/08/2023 18:34	Accepted