

Task 1

Change

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Taro often does his shopping at JOI General Shop. The shop has enough amount of each coin: 500-yen coins, 100-yen coins, 50-yen coins, 10-yen coins, 5-yen coins and 1-yen coins. The shop always gives change in a way that minimizes the number of coins.

Taro buys something at the shop and he pays a 1000-yen bill. Write a program that calculates the number of coins for the change.

Input

The input file contains a single line. The first line of the input file contains a single integer, the sum of Taro's shopping. Note that the sum is between 1 and 999, inclusive.

Output

You should submit the output file which consists of one line, and the line should contain one integer, the number of coins for the change.

Sample input and output

Sample inputs

Sample input 1

380

Sample input 2

1

Sample outputs

Sample output 1

4

Sample output 2

15