

# ALTERNATIVE REALITY

## CHALLENGE DESCRIPTION:

Have you even wondered about another life? Maybe there is an alternative reality where different things are happening. Everything is almost the same, but still a bit different...

You are walking in one reality, but driving the car in another. Here you like golf, and there – basketball. In one reality you changed a \$100 banknote to five \$20 banknotes, while in another – to ten \$10 banknotes.

Today, your task is to count how many alternative versions of money change are if you have 1¢, 5¢, 10¢, 25¢, and 50¢ coins.

So, if you have 11 cents that you need to change, you have four alternative ways how to do it:

1+1+1+1+1+1+1+1+1+1

5+1+1+1+1+1+1

5+5+1

10+1

## INPUT SAMPLE:

The first argument is a path to a file. Each line includes a test case with the number of cents that you want to change.

100

4

17

## OUTPUT SAMPLE:

Print the number of alternative ways to change money.

292

1

6

## CONSTRAINTS:

1. Number of cents can be from 1 to 100.
2. You have 1¢, 5¢, 10¢, 25¢, and 50¢ coins to do the change.
3. The number of test cases is 30.