
9. Money: Brother Can You Spare a Hammer?

Program Name: Money.java

Input File: money.dat

Henry Putter lives in a world different than ours. The money is very different. It consists of bronze "soups", silver "hammers", and golden "frigates". One silver hammer is worth 7 bronze soups. One golden frigate is worth 11 silver hammers or 77 bronze soups. Henry wants to know how many combinations of coins exist for various amounts.

For example:

- There is only one way to combine the coins to have 5 soups worth of coins, the 5 soups.
- There are 2 ways to have 13 soups worth of coins:
 - 13 soups
 - 1 hammer and 6 soups. (Recall 1 hammer is worth 7 soups.)
- There are 3 ways to have 20 soups worth of coins:
 - 20 soups
 - 1 hammer and 13 soups
 - 2 hammers and 6 soups
- There are 13 ways to have 77 soups worth of coins:
 - 77 soups
 - 11 hammers
 - 1 frigate
 - 10 distinct combinations of soups and hammers. (10 hammers and 7 soups, 9 hammers and 14 soups, 8 hammers and 21 soups, and so forth.)

Input

- The first line will contain a single integer n that indicates the number of data sets that follow.
- Each data set will consist of single integer on a single line. This is the target number of soups.
- Each integer will be greater than 0 and less than 10,000

Output

For each data set print out the number of combinations of coins that exist that equal the target number of soups.

Example Input File

```
4
5
13
77
200
```

Example Output to Screen

```
1
2
13
54
```