Problem 1: Breaking a Dollar

Using only the U. S. coins worth 1, 5, 10, 25, 50, and 100 cents, there are exactly 293 ways in which one U. S. dollar can be represented. Canada has no coin with a value of 50 cents, so there are only 243 ways in which one Canadian dollar can be represented. Suppose you are given a new set of denominations for the coins (each of which we will assume represents some integral number of cents less than or equal to 100, but greater than 0). In how many ways could 100 cents be represented?

Input

The input will contain multiple cases. The input for each case will begin with an integer *N* (at least 1, but no more than 10) that indicates the number of unique coin denominations. By *unique* it is meant that there will not be two (or more) different coins with the same value. The value of *N* will be followed by *N* integers giving the denominations of the coins.

Input for the last case will be followed by a single integer –1.

Output

For each case, display the case number (they start with 1 and increase sequentially) and the number of different combinations of those coins that total 100 cents. Separate the output for consecutive cases with a blank line.

Sample Input	Output for the Sample Input

`6 1 5 10 25 50 100`
`5 1 5 10 25 100`
`-1`
	`Case 1: 293 combinations of coins`
	
	`Case 2: 243 combinations of coins`