## Every change P29230_en

Write a program such that, for every given natural number $n$, prints all the different ways to obtain $n$ cents with the euro system of coins (1 cent, 2 cents, 5 cents, 10 cents, 20 cents, and 50 cents).

### Input

Input consists of a sequence of natural numbers $1 \leq n \leq 50$.

### Output

For every $n$, print all the ways to obtain $n$ cents, each one in a different line. The numbers of each line must appear in nonincreasing order. The solutions for every $n$ must appear in reverse lexicographical order. Print an empty line after the output for each case.

### Observation

A simple backtracking program that computes the result for every given $n$ (even if repeated) is fast enough for this problem.

### Sample input 1

```
1
7
2
```

### Sample output 1

```
1

5 2
5 1 1
2 2 2 1
2 2 1 1 1
2 1 1 1 1 1
1 1 1 1 1 1 1

2
1 1

```

### Problem information

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Generation: 2026-01-25T10:37:56.823Z