## Jutge.org

The Virtual Learning Environment for Computer Programming

## Every change

Segon Concurs de Programació de la FME (2005-05-05)
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
7
2


## Problem information

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