

You've just created a virtual vending machine that will dispense widgets of programming goodness when a user puts money into the machine. The machine should dispense the proper change. You now need the programming logic to determine which coins to dispense.

Following you can find some samples how this could look like.

Input in Cents: 1

Output:

1 - 1 Cent
0 - 2 Cent
0 - 5 Cent
0 - 10 Cent
0 - 20 Cent
0 - 50 Cent

Input in Cents: 6

Output:

0 - 1 Cent
3 - 2 Cent
0 - 5 Cent
0 - 10 Cent
0 - 20 Cent
0 - 50 Cent

The result must contain only the least possible amount of coins.

Input in Cents: 1

Output: 1

Input in Cents: 6

Output: 5 1

Input in Cents: 77 Cent

Output: 50 20 5 2

Enhance your solution to support full Euro coins.

Input in Cents: 77
Output: 50c 20c 5c 2c

Input in Cents: 102
Output: 1E 2c

Additionally, you must support Dollars.

Following coins are used:

1\$ 50c 25c 10c 5c 1c

Input in Cents: 77

Output: 50c 25c 1c 1c

Input in Cents: 102

Output: 1\$ 1c 1c